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(b) The calendar year shall be marked upon the item legibly, conspicuously and nondeceptively, and in accordance with the further requirements of these regulations.

(1) The calendar year shall appear in arabic numerals, shall be based upon the Gregorian calendar and shall consist of four digits.

(2) The calendar year shall be marked on either the obverse or the reverse surface of the item. It shall not be marked on the edge of the item.

(3) An imitation political item of incusable material shall be incused with the calendar year in sans-serif numerals. Each numeral shall have a vertical dimension of not less than two millimeters (2.0 mm) and a minimum depth of three-tenths of one millimeter (0.3 mm) or one-half ($\frac{1}{2}$) the thickness of the reproduction, whichever is the lesser. The minimum total horizontal dimension for the four numerals composing the calendar year shall be six millimeters (6.0 mm).

(4) An imitation political button, poster, literature, sticker, or advertisement composed of nonincusable material shall be imprinted with the calendar year in sans-serif numerals. Each numeral shall have a vertical dimension of not less than two millimeters (2.0 mm). The minimum total horizontal dimension of the four numerals composing the calendar year shall be six millimeters (6.0 mm).

§ 304.6 Marking requirements for imitation numismatic items.

(a) An imitation numismatic item which is manufactured in the United States, or imported into the United States for introduction into or distribution in commerce, shall be plainly and permanently marked “COPY”.

(b) The word “COPY” shall be marked upon the item legibly, conspicuously, and nondeceptively, and in accordance with the further requirements of these regulations.

(1) The word “COPY” shall appear in capital letters, in the English language.

(2) The word “COPY” shall be marked on either the obverse or the reverse surface of the item. It shall not be marked on the edge of the item.

(3) An imitation numismatic item of incusable material shall be incused with the word “COPY” in sans-serif letters having a vertical dimension of not less than two millimeters (2.0 mm) or not less than one-sixth of the diameter of the reproduction, and a minimum depth of three-tenths of one millimeter (0.3 mm) or to one-half ($\frac{1}{2}$) the thickness of the reproduction, whichever is the lesser. The minimum total horizontal dimension of the word “COPY” shall be six millimeters (6.0 mm) or not less than one-half of the diameter of the reproduction.

(4) An imitation numismatic item composed of nonincusable material shall be imprinted with the word “COPY” in sans-serif letters having a vertical dimension of not less than two millimeters (2.0 mm) or not less than one-sixth of the diameter of the reproduction. The minimum total horizontal dimension of the word “COPY” shall be six millimeters (6.0 mm) or not less than one-half of the diameter of the reproduction.

[40 FR 5496, Feb. 6, 1975, as amended at 53 FR 38942, Oct. 4, 1988]

PART 305—RULE CONCERNING DISCLOSURES REGARDING ENERGY CONSUMPTION AND WATER USE OF CERTAIN HOME APPLIANCES AND OTHER PRODUCTS REQUIRED UNDER THE ENERGY POLICY AND CONSERVATION ACT (“APPLIANCE LABELING RULE”)

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AUTHORITY: 42 U.S.C. 6294.

SOURCE: 52 FR 46894, Dec. 10, 1987, unless otherwise noted.

SCOPE

§ 305.1 Scope of the regulations in this part.

The rule in this part establishes requirements for consumer appliance products, as hereinafter described, in commerce, as “commerce” is defined in the Energy Policy and Conservation Act, 42 U.S.C. 6291, with respect to:

(a) Labeling and/or marking the products with information required by this part indicating their operating cost (or different useful measure of energy consumption) and related information, disclosing their water use rate and related information, or stating their compliance with applicable standards under section 325 of the Energy Policy and Conservation Act, 42 U.S.C. 6295;

(b) Including in printed matter displayed or distributed at the point of

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sale of such products, or including in any catalog from which the products may be purchased, information concerning their water use or their energy consumption;

(c) Including on the labels, separately attaching to the products, or shipping with the products, additional information relating to energy consumption, energy efficiency, or energy cost; and

(d) Making representations, in writing or in broadcast advertising, respecting the water use, energy consumption, or energy efficiency of the products, or the cost of water used or energy consumed by the products.

[52 FR 46894, Dec. 10, 1987, as amended at 54 FR 28034, July 5, 1989]

DEFINITIONS

§ 305.2 Definitions.

(a) *Act* means the Energy Policy and Conservation Act (Pub. L. 94-163), and amendments thereto.

(b) *Commission* means the Federal Trade Commission.

(c) *Manufacturer* means any person who manufactures, produces, assembles, or imports a consumer appliance product. Assembly operations which are solely decorative are not included.

(d) *Retailer* means a person to whom a consumer appliance product is delivered or sold, if such delivery or sale is for purposes of sale or distribution in commerce to purchasers who buy such product for purposes other than resale. The term *retailer* includes purchasers of appliances who install such appliances in newly constructed or newly rehabilitated housing, or mobile homes, with the intent to sell the covered appliances as part of the sale of such housing or mobile homes.

(e) *Distributor* means a person (other than a manufacturer or retailer) to whom a consumer appliance product is delivered or sold for purposes of distribution in commerce.

(f) *Private labeler* means an owner of a brand or trademark on the label of a consumer appliance product which bears a private label.

(g) *Range of comparability* means a group of models within a class of covered products, each model of which satisfies approximately the same consumer needs.

(h) *Estimated annual energy consumption and estimated annual operating cost*—(1) *Estimated annual energy consumption* means the energy or (for products described in sections 305.3(n)–(q)) water that is likely to be consumed annually in representative use of a consumer product, as determined in accordance with tests prescribed under section 323 of the Act (42 U.S.C. 6293).

(i) *Kilowatt-hour use per year, or kWh/yr.*, means estimated annual energy consumption expressed in kilowatt-hours of electricity.

(ii) *Therm use per year, or therms/yr.*, means estimated annual energy consumption expressed in therms of natural gas.

(iii) *Gallon use per year, or gallons/yr.*, means estimated annual energy consumption expressed in gallons of propane or No. 2 heating oil.

(2) *Estimated annual operating cost* means the aggregate retail cost of the energy that is likely to be consumed annually in representative use of a consumer product, as determined in accordance with tests prescribed under section 323 of the Act (42 U.S.C. 6293).

(i) *Energy efficiency rating* means the following product-specific energy usage descriptors: *annual fuel utilization efficiency (AFUE)* for furnaces; *energy efficiency ratio (EER)* for room air conditioners; *seasonal energy efficiency ratio (SEER)* for the cooling function of central air conditioners and heat pumps; *heating seasonal performance factor (HSPF)* for the heating function of heat pumps; and, *thermal efficiency (TE)* for pool heaters, as these descriptors are determined in accordance with tests prescribed under section 323 of the Act (42 U.S.C. 6293). These product-specific energy usage descriptors shall be used in satisfying all the requirements of this part.

(j) *Range of estimated annual energy consumption* means the range of estimated annual energy consumption per year of all models within a designated range of comparability.

(k) *Range of energy efficiency ratings* means the range of energy efficiency ratings for all models within a designated range of comparability.

(l) *New covered product*, as used in § 305.4, means a covered product the

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title of which has not passed to a purchaser who buys the product for purposes other than resale or leasing for a period in excess of one year.

(m) *Catalog* means printed material which contains the terms of sale, retail price, and instructions for ordering, from which a retail consumer can order a covered product.

(n) *Consumer product* means any article (other than an automobile, as “automobile” is defined in 15 U.S.C. 2001(1) [sec. 501(1) of the Motor Vehicle Information and Cost Savings Act]) of a type—

(1) which in operation consumes, or is designed to consume, energy or, with respect to showerheads, faucets, water closets, and urinals, water; and

(2) which, to any significant extent, is distributed in commerce for personal use or consumption by individuals;

without regard to whether such article or such type is in fact distributed in commerce for personal use or consumption by an individual, except that such term includes fluorescent lamp ballasts, general service fluorescent lamps, medium base compact fluorescent lamps, general service incandescent lamps (including incandescent reflector lamps), showerheads, faucets, water closets, and urinals distributed in commerce for personal or commercial use or consumption.

(o) *Consumer appliance product* means any of the following consumer products, excluding those products designed solely for use in recreational vehicles and other mobile equipment:

(1) Refrigerators, refrigerator-freezers, and freezers which can be operated by alternating current electricity, excluding—

(i) any type designed to be used without doors; and

(ii) any type which does not include a compressor and condenser unit as an integral part of the cabinet assembly.

(2) Dishwashers.

(3) Water heaters.

(4) Room air conditioners.

(5) Clothes washers.

(6) Clothes dryers.

(7) Central air conditioners and central air conditioning heat pumps.

(8) Furnaces.

(9) Direct heating equipment.

(10) Pool heaters.

(11) Kitchen ranges and ovens.

(12) Television sets.

(13) Fluorescent lamp ballasts.

(14) General service fluorescent lamps.

(15) Medium base compact fluorescent lamps.

(16) General service incandescent lamps, including incandescent reflector lamps.

(17) Showerheads.

(18) Faucets.

(19) Water closets.

(20) Urinals.

(21) Any other type of consumer product which the Department of Energy classifies as a covered product under section 322(b) of the Act (42 U.S.C. 6292).

(p) *Covered product* means any consumer product or consumer appliance product described in § 305.3 of this part.

(q) *Luminaire* means a complete lighting unit consisting of a fluorescent lamp or lamps, together with parts designed to distribute the light, to position and protect such lamps, and to connect such lamps to the power supply through the ballast.

(r) *Ballast efficacy factor* means the relative light output divided by the power input of a fluorescent lamp ballast, as measured under test conditions specified in American National Standards Institute (“ANSI”) standard C82.2–1984, or as may be prescribed by the Secretary of Energy. Copies of ANSI standard C82.2–1984 may be obtained from the American National Standards Institute, 11 West 42nd St., New York, NY 10036.

(s) *Bulb shape* means the shape of the lamp, especially the glass portion.

(t) *Base* for lamps means the portion of the lamp which screws into the socket.

(u) *Color rendering index* or *CRI* for lamps means the measure of the degree of color shift objects undergo when illuminated by a light source as compared with the color of those same objects when illuminated by a reference source of comparable color temperature.

(v) *Correlated color temperature* for lamps means the absolute temperature of a blackbody whose chromaticity most nearly resembles that of the light source.

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(w) *Lamp type* means all lamps designated as having the same electrical and lighting characteristics and made by one manufacturer.

(x) *Wattage* for lamps means the total electrical power consumed by a lamp in watts, after an initial seasoning period and including, for fluorescent lamps, arc watts plus cathode watts.

(y) *Light output* for lamps means the total luminous flux (power) of a lamp in lumens.

(z) *Life and lifetime* for lamps mean length of operating time of a statistically large group of lamps between first use and failure of 50 percent of the group.

(aa) *Lamp efficacy* means the light output of a lamp divided by its wattage, expressed in lumens per watt (LPW).

(bb) *Average lamp efficacy* means the lamp efficacy readings taken over a statistically significant period of manufacture with the readings averaged over that period.

(cc) *IES* means the Illuminating Engineering Society of North America and, as used herein, is the prefix for test procedures adopted by IES.

(dd) *ASME* means the American Society of Mechanical Engineers and, as used herein, is the prefix for national standards and codes adopted by ASME.

(ee) *ANSI* means the American National Standards Institute and, as used herein, is the prefix for national standards and codes adopted by ANSI.

(ff) *Water use* means the quantity of water flowing through a showerhead, faucet, water closet, or urinal at point of use, determined in accordance with test procedures under section 323 of the Act, 42 U.S.C. 6293.

(gg) *Flushometer valve* means a valve attached to a pressured water supply pipe and so designed that, when actuated, it opens the line for direct flow into the fixture at a rate and quantity to operate properly the fixture, and then gradually closes to provide trap reseal in the fixture in order to avoid water hammer. The pipe to which this device is connected is in itself of sufficient size that, when opened, will allow the device to deliver water at a sufficient rate of flow for flushing purposes.

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(hh) *Flow restricting or controlling spout end device* means an aerator used in a faucet.

[52 FR 46894, Dec. 10, 1987, as amended at 59 FR 34031, July 1, 1994; 59 FR 49563, Sept. 28, 1994; 59 FR 67524, Dec. 29, 1994]

§ 305.3 Description of covered products.

(a) *Refrigerators and refrigerator-freezers.* (1) *Electric refrigerator* means a cabinet designed for the refrigerated storage of food at temperatures above 32 °F., and having a source of refrigeration requiring single phase, alternating current electric energy input only. An electric refrigerator may include a compartment for the freezing and storage of food at temperatures below 32 °F., but does not provide a separate low temperature compartment designed for the freezing and storage of food at temperatures below 8 °F. An “all-refrigerator” is an electric refrigerator which does not include a compartment for the freezing and long time storage of food at temperatures below 32 °F (0.0 °C). An “all-refrigerator” may include a compartment of 0.50 cubic capacity (14.2 liters) or less for the freezing and storage of ice.

(2) *Electric refrigerator-freezer* means a cabinet which consists of two or more compartments with at least one of the compartments designed for the refrigerated storage of food at temperatures above 32 °F. and with at least one of the compartments designed for the freezing and storage of food at temperatures below 8 °F. which may be adjusted by the user to a temperature of 0 °F. or below. The source of refrigeration requires single phase, alternating current electric energy input only.

(b) *Freezer* means a cabinet designed as a unit for the freezing and storage of food at temperatures of 0 °F. or below, and having a source of refrigeration requiring single phase, alternating current electric energy input only.

(c) *Dishwasher* means a cabinetlike appliance which, with the aid of water and detergent, washes, rinses, and dries (when a drying process is included) dishware, glassware, eating utensils and most cooking utensils by chemical, mechanical, and/or electrical means and discharges to the plumbing drainage system.

(1) *Water Heating Dishwasher* means a dishwasher which is designed for heating cold inlet water (nominal 50 °F.) or a dishwasher for which the manufacturer recommends operation with a nominal inlet water temperature of 120 °F. and may operate at either of these inlet water temperatures by providing internal water heating to above 120 °F. in at least one wash phase of the normal cycle.

(2) [Reserved]

(d)(1) *Water heater* means a product which utilizes oil, gas, or electricity to heat potable water for use outside the heater upon demand, including—

(i) Storage type units which heat and store water at a thermostatically controlled temperature, including gas storage water heaters with an input of 75,000 Btu per hour or less, oil storage water heaters with an input of 105,000 Btu per hour or less, and electric storage water heaters with an input of 12 kilowatts or less;

(ii) Instantaneous type units which heat water but contain no more than one gallon of water per 4,000 Btu per hour of input, including gas instantaneous water heaters with an input of 200,000 Btu per hour or less, oil instantaneous water heaters with an input of 210,000 Btu per hour or less, and electric instantaneous water heaters with an input of 12 kilowatts or less; and

(iii) Heat pump type units, with a maximum current rating of 24 amperes at a voltage no greater than 250 volts, which are products designed to transfer thermal energy from one temperature level to a higher temperature level for the purpose of heating water, including all ancillary equipment such as fans, storage tanks, pumps, or controls necessary for the device to perform its function.

(2) The requirements of this part are limited to those water heaters for which the Department of Energy has adopted and published test procedures for measuring energy usage.

(e) *Room air conditioner* means a consumer product, other than a packaged terminal air conditioner, which is powered by a single phase electric current and which is an encased assembly designed as a unit for mounting in a window or through the wall for the purpose of providing delivery of condi-

tioned air to an enclosed space. It includes a prime source of refrigeration and may include a means for ventilating and heating.

(f) *Clothes washer* means a consumer product designed to clean clothes, utilizing a water solution of soap and/or detergent and mechanical agitation or other movement, and must be one of the following classes: automatic clothes washers, semi-automatic clothes washers, and other clothes washers.

(1) *Automatic clothes washer* means a class of clothes washer which has a control system capable of scheduling a pre-selected combination of operations, such as regulation of water fill level, and performance of wash, rinse, drain and spin functions, without the need for the user to intervene subsequent to the initiation of machine operation. Some models may require user intervention to initiate these different segments of the cycle after the machine has begun operation, but they do not require the user to intervene to regulate the water temperature by adjusting the external water faucet valves.

(2) *Semi-automatic clothes washer* means a class of clothes washer that is the same as an automatic clothes washer except that the user must intervene to regulate the water temperature by adjusting the external water faucet valves.

(3) *Other clothes washer* means a class of clothes washer which is not an automatic or semi-automatic clothes washer.

(g) *Furnaces*. (1) *Furnace* means a product which utilizes only single-phase electric current, or single-phase electric current or DC current in conjunction with natural gas, propane, or home heating oil, and which—

(i) Is designed to be the principal heating sources for the living space of a residence;

(ii) Is not contained within the same cabinet with a central air conditioner whose rated cooling capacity is above 65,000 Btu per hour;

(iii) Is an electric central furnace, electric boiler, forced-air central furnace, gravity central furnace, or low pressure steam or hot water boiler; and

(iv) Has a heat input rate of less than 300,000 Btu per hour for electric boilers

and low pressure steam or hot water boilers and less than 225,000 Btu per hour for forced-air central furnaces, gravity central furnaces, and electric central furnaces.

(2) *Electric central furnace* means a furnace designed to supply heat through a system of ducts with air as the heating medium, in which heat is generated by one or more electric resistance heating elements and the heated air is circulated by means of a fan or blower.

(3) *Forced air central furnace* means a gas or oil burning furnace designed to supply heat through a system of ducts with air as the heating medium. The heat generated by combustion of gas or oil is transferred to the air within a casing by conduction through heat exchange surfaces and is circulated through the duct system by means of a fan or blower.

(4) *Gravity central furnace* means a gas fueled furnace which depends primarily on natural convection for circulation of heated air and which is designed to be used in conjunction with a system of ducts.

(5) *Electric boiler* means an electrically powered furnace designed to supply low pressure steam or hot water for space heating application. A low pressure steam boiler operates at or below 15 pounds per square inch gauge (psig) steam pressure; a hot water boiler operates at or below 160 psig water pressure and 250 °F. water temperature.

(6) *Low pressure steam or hot water boiler* means an electric, gas or oil burning furnace designed to supply low pressure steam or hot water for space heating application. A low pressure steam boiler operates at or below 15 pounds psig steam pressure; a hot water boiler operates at or below 160 psig water pressure and 250 °F. water temperature.

(7) *Outdoor furnace or boiler* is a furnace or boiler normally intended for installation out-of-doors or in an unheated space (such as an attic or a crawl space).

(8) *Weatherized warm air furnace or boiler* means a furnace or boiler designed for installation outdoors, approved for resistance to wind, rain, and snow, and supplied with its own venting system.

(h) *Central air conditioner* means a product, other than a packaged terminal air conditioner, which is powered by single phase electric current, air cooled, rated below 65,000 Btu per hour, not contained within the same cabinet as a furnace, the rated capacity of which is above 225,000 Btu per hour, and is a heat pump or a cooling only unit.

(1) *Condenser-evaporator coil combination* means a condensing unit made by one manufacturer and one of several evaporator coils, either manufactured by the same manufacturer or another manufacturer, intended to be combined with that particular condensing unit.

(2) *Condensing unit* means a component of a "central air conditioner" which is designed to remove heat absorbed by the refrigerant and to transfer it to the outside environment, and which consists of an outdoor coil, compressor(s), and air moving device.

(3) *Evaporator coil* means a component of a central air conditioner which is designed to absorb heat from an enclosed space and transfer the heat to a refrigerant.

(4) *Single package unit* means any central air conditioner in which all the major assemblies are enclosed in one cabinet.

(5) *Split system* means any central air conditioner in which one or more of the major assemblies are separate from the others.

(i) *Heat pump* means a product, other than a packaged terminal heat pump, which consists of one or more assemblies, powered by single phase electric current, rated below 65,000 Btu per hour, utilizing an indoor conditioning coil, compressor, and refrigerant-to-outdoor air heat exchanger to provide air heating, and may also provide air cooling, dehumidifying, humidifying, circulating, and air cleaning.

(j) *Fluorescent lamp ballast* means a device that is used to start and operate fluorescent lamps by providing a starting voltage and current and limiting the current during normal operation, and that is designed to operate at nominal input voltages of 120 or 277 volts with a frequency of 60 Hertz and is for use in connection with F40T12, F96T12 or F96T12HO lamps.

(k) *Fluorescent lamp*:

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(1) means a low pressure mercury electric-discharge source in which a fluorescing coating transforms some of the ultra-violet energy generated by the mercury discharge into light, including only the following:

(i) Any straight-shaped lamp (commonly referred to as 4-foot medium bi-pin lamps) with medium bi-pin bases of nominal overall length of 48 inches and rated wattage of 28 or more;

(ii) Any U-shaped lamp (commonly referred to as 2-foot U-shaped lamps) with medium bi-pin bases of nominal overall length between 22 and 25 inches and rated wattage of 28 or more;

(iii) Any rapid start lamp (commonly referred to as 8-foot high output lamps) with recessed double contact bases of nominal overall length of 96 inches and 0.800 nominal amperes, as defined in ANSI C78.1-1978 and related supplements (copies of ANSI C78.1-1978 and related supplements may be obtained from the American National Standards Institute, 11 West 42nd St., New York, NY 10036); and

(iv) Any instant start lamp (commonly referred to as 8-foot slimline lamps) with single pin bases of nominal overall length of 96 inches and rated wattage of 52 or more, as defined in ANSI C78.3-1978 (R1984) and related supplement ANSI C78.3a-1985 (copies of ANSI C78.3-1978 (R1984) and related supplement ANSI C78.3a-1985 may be obtained from the American National Standards Institute, 11 West 42nd St., New York, NY 10036); but

(2) *Fluorescent lamp* does not mean any lamp excluded by the Department of Energy, by rule, as a result of a determination that standards for such lamp would not result in significant energy savings because such lamp is designed for special applications or has special characteristics not available in reasonably substitutable lamp types; and

(3) *General service fluorescent lamp* means a fluorescent lamp which can be used to satisfy the majority of fluorescent applications, but does not mean any lamp designed and marketed for the following nongeneral lighting applications:

(i) Fluorescent lamps designed to promote plant growth;

(ii) Fluorescent lamps specifically designed for cold temperature installations;

(iii) Colored fluorescent lamps;

(iv) Impact-resistant fluorescent lamps;

(v) Reflectorized or aperture lamps;

(vi) Fluorescent lamps designed for use in reprographic equipment;

(vii) Lamps primarily designed to produce radiation in the ultra-violet region of the spectrum; and

(viii) Lamps with a color rendering index of 82 or greater.

(1) *Medium base compact fluorescent lamp* means an integrally ballasted fluorescent lamp with a medium screw base and a rated input voltage of 115 to 130 volts and which is designed as a direct replacement for a general service incandescent lamp.

(m) *Incandescent lamp*:

(1) means a lamp in which light is produced by a filament heated to incandescence by an electric current, including only the following:

(i) Any lamp (commonly referred to as lower wattage nonreflector general service lamps, including any tungsten-halogen lamp) that has a rated wattage between 30 and 199 watts, has an E26 medium screw base, has a rated voltage or voltage range that lies at least partially within 115 and 130 volts, and is not a reflector lamp;

(ii) Any lamp (commonly referred to as a reflector lamp) which is not colored or designed for rough or vibration service applications, that contains an inner reflective coating on the outer bulb to direct the light, an R, PAR, or similar bulb shapes (excluding ER or BR) with E26 medium screw bases, a rated voltage or voltage range that lies at least partially within 115 and 130 volts, a diameter which exceeds 2.75 inches, and is either—

(A) a low(er) wattage reflector lamp which has a rated wattage between 40 and 205 watts; or

(B) a high(er) wattage reflector lamp which has a rated wattage above 205 watts;

(iii) Any general service incandescent lamp (commonly referred to as a high- or higher-wattage lamp) that has a rated wattage above 199 watts (above 205 watts for a high wattage reflector lamp); but

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(2) *Incandescent lamp* does not mean any lamp excluded by the Secretary of Energy, by rule, as a result of a determination that standards for such lamp would not result in significant energy savings because such lamp is designed for special applications or has special characteristics not available in reasonably substitutable lamp types; and

(3) *General service incandescent lamp* means any incandescent lamp (other than a miniature or photographic lamp), including an incandescent reflector lamp, that has an E26 medium screw base, a rated voltage range at least partially within 115 and 130 volts, and which can be used to satisfy the majority of lighting applications, but does not include any lamp specifically designed for:

- (i) traffic signal, or street lighting service;
 - (ii) airway, airport, aircraft, or other aviation service;
 - (iii) marine or marine signal service;
 - (iv) photo, projection, sound reproduction, or film viewer service;
 - (v) stage, studio, or television service;
 - (vi) mill, saw mill, or other industrial process service;
 - (vii) mine service;
 - (viii) headlight, locomotive, street railway, or other transportation service;
 - (ix) heating service;
 - (x) code beacon, marine signal, lighthouse, reprographic, or other communication service;
 - (xi) medical or dental service;
 - (xii) microscope, map, microfilm, or other specialized equipment service;
 - (xiii) swimming pool or other underwater service;
 - (xiv) decorative or showcase service;
 - (xv) producing colored light;
 - (xvi) shatter resistance which has an external protective coating; or
 - (xvii) appliance service; and
- (4) *Incandescent reflector lamp* means a lamp described in paragraph (m)(1)(ii) of this section; and

(5) *Tungsten-halogen lamp* means a gas-filled tungsten filament incandescent lamp containing a certain proportion of halogens in an inert gas.

(n) *Showerhead* means any showerhead (including a handheld

showerhead), except a safety shower showerhead.

(o) *Faucet* means a lavatory faucet, kitchen faucet, metering faucet, or replacement aerator for a lavatory or kitchen faucet.

(p) *Water closet* means a plumbing fixture having a water-containing receptor which receives liquid and solid body waste and, upon actuation, conveys the waste through an exposed integral trap seal into a gravity drainage system, except such term does not include fixtures designed for installation in prisons.

(q) *Urinal* means a plumbing fixture which receives only liquid body waste and, on demand, conveys the waste through a trap seal into a gravity drainage system, except such term does not include fixtures designed for installation in prisons.

(r) *Pool heater* means an appliance designed for heating nonpotable water contained at atmospheric pressure, including heating water in swimming pools, spas, hot tubs and similar applications. The requirements of this part are limited to those pool heaters for which the Department of Energy has adopted and published test procedures for measuring energy usage (see 10 CFR part 430, subpart B, appendix P).

[52 FR 46894, Dec. 10, 1987, as amended at 59 FR 34031, 34032, July 1, 1994; 59 FR 49563, Sept. 28, 1994; 59 FR 67525, Dec. 29, 1994]

GENERAL

§ 305.4 Prohibited acts.

(a) It shall be unlawful and subject to the enforcement penalties of section 333 of the Act, as adjusted for inflation pursuant to §1.98 of this chapter, for each unit of any new covered product to which the part applies:

(1) For any manufacturer or private labeler knowingly to distribute in commerce any new covered product unless such covered product is marked and/or labeled in accordance with §305.11 with a marking, label, flap tag, hang tag, or energy fact sheet which conforms to the provisions of the Act and this part.

(2) For any manufacturer, distributor, retailer, or private labeler knowingly to remove or render illegible any marking or label required to be

provided with such product by this part.

(3) For any manufacturer or private labeler knowingly to distribute in commerce any new covered product, if there is not included (i) on the label, (ii) separately attached to the product, or (iii) shipped with the product, additional information relating to energy consumption or energy efficiency which conforms to the requirements in this part.

(b) It shall be unlawful and subject to the enforcement penalties of section 333 of the Act, as adjusted for inflation pursuant to §1.98 of this chapter, for any manufacturer or private labeler knowingly to:

(1) Refuse a request by the Commission or its designated representative for access to, or copying of, records required to be supplied under this part.

(2) Refuse to make reports or provide upon request by the Commission or its designated representative any information required to be supplied under this part.

(3) Refuse upon request by the Commission or its designated representative to permit a representative designated by the Commission to observe any testing required by this part while such testing is being conducted or to inspect the results of such testing. This section shall not limit the Commission from requiring additional testing under this part.

(4) Refuse, when requested by the Commission or its designated representative, to supply at the manufacturer's expense, no more than two of each model of each covered product to any laboratory designated by the Commission for the purpose of ascertaining whether the information in catalogs or set out on the label or marked on the product as required by this part is accurate. This action will be taken only after review of a manufacturer's testing records and an opportunity to revalidate test data has been extended to the manufacturer.

(5) Distribute in commerce any catalog containing a listing for a covered product without the information required by §305.14 of this part. This subsection shall also apply to distributors and retailers.

(c) Pursuant to section 333(c) of the Act, it shall be an unfair or deceptive act or practice in violation of section 5(a)(1) of the Federal Trade Commission Act (15 U.S.C. 45(a)(1)) for any manufacturer, distributor, retailer or private labeler in or affecting commerce to display or distribute at point of sale any printed material applicable to a covered product under this rule if such printed material does not contain the information required by §305.13. This requirement does not apply to any broadcast advertisement or to any advertisement in a newspaper, magazine, or other periodical.

(d)(1) It shall be an unfair or deceptive act or practice in violation of section 5(a)(1) of the Federal Trade Commission Act, 15 U.S.C. 45(a)(1), for any manufacturer, distributor, retailer or private labeler to make any representation in or affecting commerce, in writing (including a representation on a label) or in any broadcast advertisement, with respect to the energy use or efficiency or, in the case of showerheads, faucets, water closets, and urinals, water use of a covered product to which a test procedure is applicable under section 323 of the Act, 42 U.S.C. 6293, or the cost of energy consumed by such product, unless such product has been tested in accordance with such test procedure and such representation fairly discloses the results of such testing.

(2) Effective 180 days after an amended or new test procedure applicable to a covered product is prescribed or established under section 323(b) of the Act, 42 U.S.C. 6293(b), it shall be an unfair or deceptive act or practice in violation of section 5(a)(1) of the Federal Trade Commission Act, 15 U.S.C. 45(a)(1), for any manufacturer, distributor, retailer or private labeler to make any representation in or affecting commerce, in writing (including a representation on a label) or in any broadcast advertisement, with respect to the energy use or efficiency or, in the case of showerheads, faucets, water closets and urinals, water use of such product, or cost of energy consumed by such product, unless the product has been tested in accordance with such amended or new test procedures and such representation fairly discloses the

results of such testing. This requirement is not limited to consumer appliance products covered by the labeling requirements of this part.

(3) Any manufacturer, distributor, retailer, or private labeler may file a petition with the Commission not later than sixty (60) days before the expiration of the period involved for an extension of the 180 day period. If the Commission finds that the requirements would impose an undue hardship on the petitioner, the Commission may extend the 180 day period with respect to the petitioner up to an additional 180 days.

(e) This part shall not apply to:

(1) Any covered product if it is manufactured, imported, sold, or held for sale for export from the United States, so long as such product is not in fact distributed in commerce for use in the United States, and such covered product or the container thereof bears a stamp or label stating that such covered product is intended for export.

(2) Any covered product, other than central air conditioners, pulse combustion and condensing furnaces, fluorescent lamp ballasts, showerheads, faucets, water closets, urinals, pool heaters, instantaneous water heaters, heat pump water heaters, general service fluorescent lamps, medium base compact fluorescent lamps, and general service incandescent lamps (including incandescent reflector lamps), if the manufacture of the product was completed prior to May 19, 1980. Any central air conditioner or any pulse combustion or condensing furnace if its manufacture was completed prior to June 7, 1988. Any fluorescent lamp ballast if its manufacture was completed prior to January 1, 1990. Any showerhead, faucet, water closet or urinal if its manufacture was completed prior to October 24, 1994. Any pool heater, instantaneous water heater, or heat pump water heater if its manufacture was completed prior to December 29, 1994. Any general service fluorescent lamp, medium base compact fluorescent lamp, or general service incandescent lamp (including any incandescent reflector lamp), if its manufacture was completed prior to May 15, 1995.

(3) Any catalog or point-of-sale printed material pertaining to any covered

products that were manufactured prior to May 19, 1980; any catalog or point-of-sale printed material pertaining to any central air conditioners or pulse combustion or condensing furnaces manufactured prior to June 7, 1988; any catalog or point-of-sale printed material pertaining to any fluorescent lamp ballasts manufactured prior to June 23, 1989; any catalog or point-of-sale printed material pertaining to any showerheads, faucets, water closets or urinals manufactured prior to October 24, 1994; any catalog or point-of-sale printed material pertaining to any pool heaters, instantaneous water heaters, or heat pump water heaters manufactured prior to December 29, 1994; or any catalog or point-of-sale printed material pertaining to general service fluorescent lamps, medium base compact fluorescent lamps, or general service incandescent lamps (including incandescent reflector lamps), that were manufactured prior to May 15, 1995; except that any representations respecting the energy consumption, energy efficiency, or water use of any covered product or other consumer appliance product, or respecting the cost of energy consumed or water used by such product, are subject to the requirements of paragraph (d) of this section.

(f) As used in paragraphs (a) and (b) of this section, the term *knowingly* means:

(1) The having of actual knowledge, or

(2) The presumed having of knowledge deemed to be possessed by a reasonable person who acts in the circumstances, including knowledge obtainable upon the exercise of due care.

[52 FR 46894, Dec. 10, 1987, as amended at 54 FR 28035, July 5, 1989; 58 FR 54964, Oct. 25, 1993; 59 FR 49563, Sept. 28, 1994; 59 FR 67526, Dec. 29, 1994; 61 FR 54549, Oct. 21, 1996]

TESTING

§ 305.5 Determinations of estimated annual energy consumption, estimated annual operating cost, and energy efficiency rating, and of water use rate.

(a) Procedures for determining the estimated annual energy consumption, the estimated annual operating costs, the energy efficiency ratings and the efficacy factors of covered products are

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those found in 10 CFR part 430, subpart B, in the following sections:

- (1) Refrigerators and refrigerator-freezers—§ 430.22(a).
- (2) Freezers—§ 430.22(b).
- (3) Dishwashers—§ 430.22(c).
- (4) Water heaters—§ 430.22(e).
- (5) Room air conditioners—§ 430.22(f).
- (6) Clothes washers—§ 430.22(j).
- (7) Central air conditioners and heat pumps—§ 430.22(m).
- (8) Furnaces—§ 430.22(n).
- (9) Pool Heaters—§ 430.22(p).
- (10) Fluorescent lamp ballasts—§ 430.22(q).

(b) Manufacturers and private labelers of any covered product that is a general service fluorescent lamp, medium base compact fluorescent lamp, or general service incandescent lamp (including an incandescent reflector lamp), must, for any representation of the design voltage, wattage, light output or life of such lamp or for any representation made by the encircled "E," that such a lamp is in compliance with an applicable standard established by section 325 of the Act, possess and rely upon a reasonable basis consisting of competent and reliable scientific tests substantiating the representation. For representations of the light output and life ratings of any covered product that is a medium base compact fluorescent lamp or incandescent lamp (including an incandescent reflector lamp), the Commission will accept as a reasonable basis competent and reliable scientific tests conducted according to the following applicable IES test protocols that substantiate the representations:

For measuring light output (in lumens):

General Service Fluorescent ..	IES LM 9
Compact Fluorescent	IES LM 66
General Service Incandescent (Other than Reflector Lamps).	IES LM 45
General Service Incandescent (Reflector Lamps)	IES LM 20

For measuring laboratory life (in hours):

General Service Fluorescent ..	IES LM 40
Compact Fluorescent	IES LM 65
General Service Incandescent (Other than Reflector Lamps).	IES LM 49
General Service Incandescent (Reflector Lamps)	IES LM 49

(c) Procedures for determining the water use rates of covered products are those found in the following standards:

(1) Showerheads and faucets— ASME A112.18.1M-1989, Plumbing Fixture Fittings. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies of ASME A112.18.1M may be obtained from the American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, or may be inspected at the Federal Trade Commission, room 130, 600 Pennsylvania Avenue, N.W., Washington, DC, or at the Office of the Federal Register, suite 700, 800 North Capitol Street, N.W., Washington, DC.

(2) Water closets and urinals—ASME A112.19.2M-1990, Vitreous China Plumbing Fixtures. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies of ASME A112.19.2M may be obtained from the American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, or may be inspected at the Federal Trade Commission, room 130, 600 Pennsylvania Avenue, N.W., Washington, DC, or at the Office of the Federal Register, suite 700, 800 North Capitol Street, N.W., Washington, DC.

[58 FR 54964, Oct. 25, 1993, as amended at 59 FR 34033, July 1, 1994; 59 FR 49564, Sept. 28, 1994; 59 FR 67527, Dec. 29, 1994]

§ 305.6 Sampling.

(a) For any covered product (except general service fluorescent lamps, medium base compact fluorescent lamps, and general service incandescent lamps, including incandescent reflector lamps), any representation with respect to or based upon a measure or measures of energy consumption incorporated into § 305.5 shall be based upon the sampling procedures set forth in § 430.23 of 10 CFR part 430, subpart B.

(b) For any covered product that is a medium base compact fluorescent lamp or a general service incandescent lamp (including an incandescent reflector lamp), any representation of design voltage, wattage, light output or life and, for any covered product that is a

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general service fluorescent lamp or incandescent reflector lamp, any representation made by the encircled "E" that such lamp is in compliance with an applicable standard established by section 325 of the Act shall be based upon tests using a competent and reliable scientific sampling procedure. The Commission will accept "Military Standard 105—Sampling Procedures and Tables for Inspection by Attributes" as such a sampling procedure.

[59 FR 67527, Dec. 29, 1994]

§ 305.7 Determinations of capacity.

The capacity of covered products shall be determined as follows:

(a) *Refrigerators and refrigerator-freezers.* The capacity shall be the total refrigerated volume (VT) in cubic feet, rounded to the nearest one-tenth of a cubic foot, as determined according to appendix A1 to 10 CFR part 430, subpart B.

(b) *Freezers.* The capacity shall be the total refrigerated volume (VT) in cubic feet, rounded to the nearest one-tenth of a cubic foot, as determined according to appendix B1 to 10 CFR part 430, subpart B.

(c) *Dishwashers.* The capacity shall be the place-setting capacity, determined according to appendix C to 10 CFR part 430, subpart B.

(d) *Water heaters.* The capacity shall be the first hour rating, as determined according to appendix E to 10 CFR part 430, subpart B.

(e) *Pool heaters.* The capacity shall be the heating capacity in Btu's per hour, rounded to the nearest 1,000 Btu's per hour, as determined according to appendix P to 10 CFR part 430, subpart B.

(f) *Room air conditioners.* The capacity shall be the cooling capacity in Btu's per hour, as determined according to appendix F to 10 CFR part 430, subpart B, but rounded to the nearest value ending in hundreds that will satisfy the relationship that the value of EER used in representations equals the rounded value of capacity divided by the value of input power in watts. If a value ending in hundreds will not satisfy this relationship, the capacity may be rounded to the nearest value ending in 50 that will.

(g) *Clothes washers.* The capacity shall be the tub capacity, rounded to the nearest gallon, as determined according to appendix J to 10 CFR part 430, subpart B, in the terms "standard" or "compact" as defined in appendix J.

(h) *Furnaces.* The capacity shall be the heating capacity in Btu's per hour, rounded to the nearest 1,000 Btu's per hour, as determined according to appendix N to 10 CFR part 430, subpart B.

(i) *Central air conditioners, cooling.* The capacity shall be the cooling capacity in Btu's per hour, as determined according to appendix M to 10 CFR part 430, subpart B, rounded to the nearest 100 Btu's per hour for capacities less than 20,000 Btu's per hour; to the nearest 200 Btu's per hour for capacities between 20,000 and 37,999 Btu's per hour; and to the nearest 500 Btu's per hour for capacities between 38,000 and 64,999 Btu's per hour.

(j) *Central air conditioners, heating.* The capacity shall be the heating capacity in Btu's per hour, as determined according to appendix M to 10 CFR part 430, subpart B, rounded to the nearest 100 Btu's per hour for capacities less than 20,000 Btu's per hour; to the nearest 200 Btu's per hour for capacities between 20,000 and 37,999 Btu's per hour; and to the nearest 500 Btu's per hour for capacities between 38,000 and 64,999 Btu's per hour.

(k) *Fluorescent lamp ballasts.* The capacity shall be the ballast input voltage, as determined according to appendix Q to 10 CFR part 430, subpart B.

[59 FR 34033, July 1, 1994, as amended at 59 FR 49564, Sept. 28, 1994]

§ 305.8 Submission of data.

(a)(1) Each manufacturer of a covered product (except manufacturers of fluorescent lamp ballasts, showerheads, faucets, water closets, urinals, general service fluorescent lamps, medium base compact fluorescent lamps, or general service incandescent lamps including incandescent reflector lamps) shall submit annually to the Commission a report listing the estimated annual energy consumption (for refrigerators, refrigerator-freezers, freezers, clothes washers, dishwashers and water heaters) or the energy efficiency rating (for room air conditioners, central air conditioners, heat pumps, furnaces, and

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pool heaters) for each basic model in current production, determined according to §305.5 and statistically verified according to §305.6. The report must also list, for each basic model in current production: the model numbers for each basic model; the total energy consumption, determined in accordance with §305.5, used to calculate the estimated annual energy consumption or energy efficiency rating; the number of tests performed; and, its capacity, determined in accordance with §305.7. For those models that use more than one energy source or more than one cycle, each separate amount of energy consumption or energy cost, measured in accordance with §305.5, shall be listed in the report. appendix K illustrates a suggested reporting format. Starting serial numbers or other numbers identifying the date of manufacture of covered products shall be submitted whenever a new basic model is introduced on the market.

(2) Each manufacturer of a covered fluorescent lamp ballast shall submit annually to the Commission a report for each basic model of fluorescent lamp ballast in current production. The report shall contain the following information:

- (i) Name and address of manufacturer;
- (ii) All trade names under which the fluorescent lamp ballast is marketed;
- (iii) Model number;
- (iv) Starting serial number, date code or other means of identifying the date of manufacture (date of manufacture information must be included with only the first submission for each basic model);
- (v) Nominal input voltage and frequency;
- (vi) Ballast efficacy factor; and
- (vii) Type (F40T12, F96T12 or F96T12HO) and number of lamp or lamps with which the fluorescent lamp ballast is designed to be used.

(3) Each manufacturer of a covered product that is a general service fluorescent lamp, medium base compact fluorescent lamp, or general service incandescent lamp (including an incandescent reflector lamp), shall submit annually to the Commission a report for each lamp type in current produc-

tion. The report shall contain the following information:

- (i) Name and address of manufacturer;
- (ii) All trade names under which the lamp is marketed;
- (iii) Model number;
- (iv) Starting serial number, date code or other means of identifying the date of manufacture (date of manufacture information must be included with only the first submission for each lamp type); and
- (v) For all covered lamps, the test results for the lamp's wattage and light output ratings and, in addition, for all covered fluorescent lamps, the test results for the lamp's color rendering index.

(4) Each manufacturer of a covered showerhead, faucet, water closet or urinal shall submit annually to the Commission a report for each basic model of such products in current production. The report shall contain the following information:

- (i) Name and address of manufacturer;
- (ii) All trade names under which the product is marketed;
- (iii) Model number;
- (iv) Starting serial number, date code or other means of identifying the date of manufacture (date of manufacture information must be included with only the first submission for each basic model);
- (v) The product's water use, expressed in gallons and liters per flush (gpf and Lpf) or gallons and liters per minute (gpm and L/min) or per cycle (gpc and L/cycle) as determined in accordance with §305.5.

(b) All data required by §305.8(a) except serial numbers shall be submitted to the Commission annually, on or before the following dates:

Product category	Deadline for data submission
Refrigerators	Aug. 1
Refrigerator-freezers	Aug. 1
Freezers	Aug. 1
Central air conditioners	July 1
Heat pumps	July 1
Dishwashers	June 1
Water heaters	May 1
Room air conditioners	May 1
Furnaces	May 1
Pool heaters	May 1
Clothes washers	Mar. 1

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Product category	Deadline for data submission
Fluorescent lamp ballasts	Mar. 1
Showerheads	Mar. 1
Faucets	Mar. 1
Water closets	Mar. 1
Urinals	Mar. 1
Fluorescent lamps	Mar. 1
	[Stayed]
Medium Base Compact Fluorescent Lamps ...	Mar. 1
	[Stayed]
Incandescent Lamps, incl. Reflector Lamps	Mar. 1
	[Stayed]

All revisions to such data (both additions to and deletions from the preceding data) shall be submitted to the Commission as part of the next annual report period.

(c) All information required by paragraph (a) of this section must be sub-

mitted for new models prior to any distribution of such model. Models subject to design or retrofit alterations which change the data contained in any annual report shall be reported in the manner required for new models. Models which are discontinued shall be reported in the next annual report.

[52 FR 46894, Dec. 10, 1987, as amended at 54 FR 28035, July 5, 1989; 59 FR 54965, Oct. 25, 1993; 59 FR 49564, Sept. 28, 1994; 59 FR 67527, Dec. 29, 1994; 60 FR 14210, Mar. 16, 1995]

§ 305.9 Representative average unit energy cost.

(a) Table 1 to this paragraph contains the representative unit energy costs to be utilized for all requirements of this part.

TABLE 1.—REPRESENTATIVE AVERAGE UNIT COSTS OF ENERGY FOR FIVE RESIDENTIAL ENERGY SOURCES (2000)

Type of energy	In commonly used terms	As required by DOE test procedure	Dollars per million Btu ¹
Electricity	8.03¢/kWh ^{2,3}	\$0.0803/kWh	\$23.53
Natural Gas	68.8¢/therm ⁴ or \$7.07/MCF ^{5,6}	\$0.0000688/Btu	6.88
No. 2 heating oil	\$1.09/gallon ⁷	\$0.0000786/Btu	7.86
Propane	\$.92/gallon ⁸	\$0.00001007/Btu	10.07
Kerosene	\$1.14/gallon ⁹	\$0.00000844/Btu	8.44

¹ Btu stands for British thermal unit.

² kWh stands for kiloWatt hour.

³ 1 kWh=3,412 Btu.

⁴ 1 therm=100,000 Btu. Natural gas prices include taxes.

⁵ MCF stands for 1,000 cubic feet.

⁶ For the purposes of this table, 1 cubic foot of natural gas has an energy equivalence of 1,027 Btu.

⁷ For the purposes of this table, 1 gallon of No. 2 heating oil has an energy equivalence of 138,690 Btu.

⁸ For the purposes of this table, 1 gallon of liquid propane has an energy equivalence of 91,333 Btu.

⁹ For the purposes of this table, 1 gallon of kerosene has an energy equivalence of 135,000 Btu.

(b) Table 1, above, will be revised on the basis of future information provided by the Secretary of the Department of Energy, but not more often than annually.

[52 FR 46894, Dec. 10, 1987, as amended at 59 FR 5700, Feb. 8, 1994; 59 FR 34033, July 1, 1994; 60 FR 9296, Feb. 17, 1995; 61 FR 5680, Feb. 14, 1996; 62 FR 67562, Dec. 29, 1997; 64 FR 7784, Feb. 17, 1999; 65 FR 20354, Apr. 17, 2000]

§ 305.10 Ranges of estimated annual energy consumption and energy efficiency ratings.

(a) The range of estimated annual energy consumption or energy efficiency ratings for each covered product (except fluorescent lamp ballasts, showerheads, faucets, water closets or urinals) shall be taken from the appropriate appendix to this rule in effect at the time the labels are affixed to the

product. The Commission shall publish revised ranges annually in the FEDERAL REGISTER, if appropriate, or a statement that the specific prior ranges are still applicable for the new year. Ranges will be changed if the estimated annual energy consumption or energy efficiency ratings of the products within the range change in a way that would alter the upper or lower estimated annual energy consumption or energy efficiency rating limits of the range by 15% or more from that previously published. When a range is revised, all information disseminated after 90 days following the publication of the revision shall conform to the revised range. Products that have been labeled prior to the effective date of a modification under this section need not be relabeled.

(b) When the estimated annual energy consumption or energy efficiency rating of a given model of a covered product falls outside the limits of the current range for that product, which could result from the introduction of a new or changed model, the manufacturer shall

(1) Omit placement of such product on the scale, and

(2) Add one of the two sentences below, as appropriate, in the space just below the scale, as follows:

The estimated annual energy consumption of this model was not available at the time the range was published.

The energy efficiency rating of this model was not available at the time the range was published.

[59 FR 34033, July 1, 1994]

REQUIRED DISCLOSURES

§ 305.11 Labeling for covered products.

(a) *Labels for covered products other than fluorescent lamp ballasts, general service fluorescent lamps, medium base compact fluorescent lamps, general service incandescent lamps (including incandescent reflector lamps), showerheads, faucets, water closets and urinals*—(1) *Layout*. All energy labels for each category of covered product shall use one size, similar colors and typefaces with consistent positioning of headline, copy and charts to maintain uniformity for immediate consumer recognition and readability. Trim size dimensions for all labels shall be as follows: width must be between 5¼ inches and 5½ inches (13.34 cm. and 13.97 cm.); length must be 7¾ inches (18.73 cm.). Copy is to be set between 27 picas and 29 picas and copy page should be centered (right to left and top to bottom). Depth is variable but should follow closely the prototype labels appearing at the end of this part illustrating the basis layout. All positioning, spacing, type sizes and line widths should be similar to and consistent with the prototype labels.

(2) *Type style and setting*. The Helvetica Condensed series typeface or equivalent shall be used exclusively on the label. Specific sizes and faces to be used are indicated on the prototype labels. No hyphenation should be used in setting headline or copy text. Posi-

tioning and spacing should follow the prototypes closely. Generally, text must be set flush left with two points leading except where otherwise indicated. Helvetica Condensed Regular shall be used for all copy except the large number indicating the estimated annual energy consumption or energy efficiency rating, which shall be in Helvetica Condensed Black, and all other numerals and letters used in immediate connection with the Energy Efficiency Scale, which shall be in Helvetica Condensed Bold. See the prototype labels for specific directions.

(3) *Colors*. The basic colors of all labels shall be process yellow or equivalent and process black. The label shall be printed full bleed process yellow. All type and graphics shall be print process black.

(4) *Paper stock*—(i) *Adhesive labels*. All adhesive labels should be applied so they can be easily removed without the use of tools or liquids, other than water, but should be applied with an adhesive with an adhesion capacity sufficient to prevent their dislodgment during normal handling throughout the chain of distribution to the retailer or consumer. The paper stock for pressure-sensitive or other adhesive labels shall have a basic weight of not less than 58 pounds per 500 sheets (25" × 38") or equivalent, exclusive of the release liner and adhesive. A minimum peel adhesion capacity for the adhesive of 12 ounces per square inch is suggested, but not required if the adhesive can otherwise meet the above standard. The pressure-sensitive adhesive shall be applied in no fewer than two strips not less than 0.5 inches (1.27 cm.) wide. The strips shall be within 0.25 inches (.64 cm.) of the opposite edges of the label. For a "flap-tag" label, the pressure-sensitive adhesive shall be applied in one strip not less than 0.5 inches (1.27 cm.) wide. The strip shall be within 0.25 inches (.64 cm.) of the top edge of the label.

(ii) *Hang tags*. The paper stock for hang tags shall have a basic weight of not less than 110 pounds per 500 sheets (25½" × 30½" index). When materials are used to attach the hang tags to appliance products, the materials shall be of sufficient strength to insure that if gradual pressure is applied to the hang

tag by pulling it away from where it is affixed to the product, the hang tag will tear before the material used to affix the hang tag to the product breaks.

(5) *Contents*—(i) *Labels for refrigerators, refrigerator-freezers, freezers, dishwashers, clothes washers, water heaters and room air conditioners.* (A) Headlines and texts, as illustrated in Figures 1 and 2, are standard for all labels.

(B) Name of manufacturer or private labeler shall, in the case of a corporation, be deemed to be satisfied only by the actual corporate name, which may be preceded or followed by the name of the particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used. Inclusion of the name of the manufacturer or private labeler is optional at the discretion of the manufacturer or private labeler.

(C) Model number(s) will be the designation given by the manufacturer or private labeler.

(D) Capacity or size is that determined in accordance with § 305.7.

(E) Estimated annual energy consumption for refrigerators, refrigerator-freezers, freezers, clothes washers, dishwashers and water heaters and energy efficiency ratings for room air conditioners are as determined in accordance with § 305.5.

(F) Ranges of comparability and of estimated annual energy consumption and energy efficiency ratings, as applicable, are found in the appropriate appendices accompanying this part.

(G) Placement of the labeled product on the scale shall be proportionate to the lowest and highest estimated annual energy consumption or energy efficiency ratings forming the scale.

(H) Labels must contain a statement disclosing the product's estimated annual operating cost derived using the DOE National Average Representative Unit Cost for the appropriate fuel that was current when the label was printed. The statement must disclose the specific cost per unit for the fuel and the year DOE published it.

(I) For refrigerators, refrigerator-freezers, freezers, and water heaters, the statement will read as follows (fill in the blanks with the appropriate ap-

pliance name, the operating cost, the year, and the energy cost figures):

[Refrigerators, or Freezers, or Water Heaters] using more energy cost more to operate.

This model's estimated yearly operating cost is: [Cost figure will be boxed] Based on a [Year] U.S. Government national average cost of \$ ___ per [kWh, therm, or gallon] for [electricity, natural gas, propane, or oil]. Your actual operating cost will vary depending on your local utility rates and your use of the product.

(2) For clothes washers and dishwashers, the statement will read as follows (fill in the blanks with the appropriate appliance name, the operating cost, the number of loads per week, the year, and the energy cost figures):

[Clothes Washers, or Dishwashers] using more energy cost more to operate.

This model's estimated yearly operating cost is: [Electric cost figure will be boxed] when used with an electric water heater [Gas cost figure will be boxed] when used with a natural gas water heater.

Based on [6 washloads a week for dishwashers, or 8 washloads a week for clothes washers], a [Year] U.S. Government national average cost of \$ ___ per kWh for electricity, and \$ ___ per therm for natural gas. Your actual operating cost will vary depending on your local utility rates and your use of the product.

(3) For room air conditioners, the statement will read as follows (fill in the blanks with the appropriate operating cost, the year, and the energy cost figures):

More efficient air conditioners cost less to operate.

This model's estimated yearly operating cost is: [Cost figure will be boxed] Based on a [Year] U.S. Government national average cost of \$ ___ per kWh for electricity. Your actual operating cost will vary depending on your local utility rates and your use of the product.

(I) The following statement shall appear at the bottom of the label:

IMPORTANT: Removal of this label before consumer purchase violates the Federal Trade Commission's Appliance Labeling Rule (16 CFR Part 305).

(J) A statement that the estimated annual energy consumption and energy efficiency ratings, as applicable, are based on U.S. Government standard tests is required on all labels, as indicated in the prototype labels.

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(K) No marks or information other than that specified in this part shall appear on or directly adjoining this label, except a part or publication number identification may be included on this label, as desired by the manufacturer, and the energy use disclosure labels required by the governments of Canada or Mexico may appear directly adjoining this label, as desired by the manufacturer. If a manufacturer elects to use a part or publication number, it must appear in the lower right-hand corner of the label and be set in 6-point type or smaller.

(ii) *Labels for furnaces and pool heaters.* (A) The headline, as illustrated in Figure 3, is standard for all labels.

(B) Name of manufacturer or private labeler shall, in the case of a corporation, be deemed to be satisfied only by the actual corporate name, which may be preceded or followed by the name of the particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used. Inclusion of the name of the manufacturer or private labeler is optional at the discretion of the manufacturer or private labeler.

(C) The annual fuel utilization efficiency for furnaces and the thermal efficiency for pool heaters are determined in accordance with §305.5.

(D) Each furnace and pool heater label shall contain a generic range consisting of the lowest and highest annual fuel utilization efficiencies (for furnaces) or thermal efficiencies (for pool heaters) for all furnaces or pool heaters that utilize the same energy source.

(E) Placement of the labeled product on the scale shall be proportionate to the lowest and highest annual fuel utilization efficiency ratings or thermal efficiency ratings forming the scale.

(F) The following statement shall appear on furnace labels beneath the range(s) in bold print:

Federal law requires the seller or installer of this appliance to make available a fact sheet or directory giving further information regarding the efficiency and operating cost of this equipment. Ask for this information.

(G) A statement that the annual fuel utilization efficiency ratings or thermal efficiency ratings are based on

U.S. Government standard tests is required on all labels.

(H) The following statement shall appear at the bottom of the label:

IMPORTANT: Removal of this label before consumer purchase violates the Federal Trade Commission's Appliance Labeling Rule (16 CFR Part 305).

(I) No marks or information other than that specified in this part shall appear on or directly adjoining this label, except a part or publication number identification may be included on this label, as desired by the manufacturer, and the energy use disclosure labels required by the governments of Canada or Mexico may appear directly adjoining this label, as desired by the manufacturer. If a manufacturer elects to use a part or publication number, it must appear in the lower right-hand corner of the label and be set in 6-point type or smaller.

(J) Manufacturers of boilers that are shipped without jackets must label their products with hang-tags that also have adhesive backing on them that complies with the specifications contained in §305.11(a)(4).

(K) Manufacturers of boilers shipped with more than one input nozzle to be installed in the field must label such boilers with the AFUE of the system when it is set up with the nozzle that results in the lowest annual fuel utilization efficiency rating.

(L) Manufacturers that ship out boilers that may be set up as either steam or hot water units must label the boilers with the AFUE rating derived by conducting the required test on the boiler as a hot water unit.

(iii) *Labels for central air conditioners.* (A) The headline, as illustrated in Figures 4, 5 and 6, is standard for all labels.

(B) Name of manufacturer or private labeler shall, in the case of a corporation, be deemed to be satisfied only by the actual corporate name, which may be preceded or followed by the name of the particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used. Inclusion of the name of the manufacturer or private labeler is optional at the discretion of the manufacturer or private labeler.

(C) The seasonal energy efficiency ratio for the cooling function of central air conditioners is determined in accordance with §305.5. For the heating function, the heating seasonal performance factor shall be calculated for heating Region IV for the standardized design heating requirement nearest the capacity measured in the High Temperature Test in accordance with §305.5. In addition, the energy efficiency rating(s) for split system condenser-evaporator coil combinations shall be either:

(1) The energy efficiency rating of the condenser-evaporator coil combination that is the particular manufacturer's most commonly sold combination for that condenser model; or

(2) The energy efficiency rating of the actual condenser-evaporator coil combination comprising the system to which the label is to be attached.

(D)(1) Each cooling only central air conditioner label shall contain a generic range consisting of the lowest and highest seasonal energy efficiency ratios for all cooling only central air conditioners.

(2) Each heat pump label, except as noted in paragraph (a)(5)(iii)(D)(3) of this section, shall contain two generic ranges. The first range shall consist of the lowest and highest seasonal energy efficiency ratios for the cooling side of all heat pumps. The second range shall consist of the lowest and highest heating seasonal performance factors for the heating side of all heat pumps.

(3) Each heating only heat pump label shall contain a generic range consisting of the lowest and highest heating seasonal performance factors for all heating only heat pumps.

(E) Placement of the labeled product on the scale shall be proportionate to the lowest and highest efficiency ratings forming the scale.

(F) The following statement shall appear on the label beneath the range(s) in bold print:

Federal law requires the seller or installer of this appliance to make available a fact sheet or directory giving further information regarding the efficiency and operating cost of this equipment. Ask for this information.

(G) A statement that the efficiency ratings are based on U.S. Government standard tests is required on all labels.

In addition, all labels disclosing energy efficiency ratings for the "most common" condenser-evaporator coil combinations must contain one of the following three statements:

(1) For labels disclosing the seasonal energy efficiency ratio for cooling, the statement should read:

This energy rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating may vary slightly with different coils.

(2) For labels disclosing both the seasonal energy efficiency ratio for cooling and the heating seasonal performance factor for heating, the statement should read:

This energy rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating will vary slightly with different coils and in different geographic regions.

(3) For labels disclosing the heating seasonal performance factor for heating, the statement should read:

This energy rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating will vary slightly with different coils and in different geographic regions.

Central air conditioner labels disclosing the efficiency ratings for specific condenser/coil combinations do not have to contain any of the above three statements. They must contain only the general disclosure that the energy costs and efficiency ratings are based on U.S. Government tests.

(H) The following statement shall appear at the bottom of the label:

IMPORTANT: Removal of this label before consumer purchase violates the Federal Trade Commission's Appliance Labeling Rule (16 CFR Part 305).

(6) *Placement.* Manufacturers shall affix a label to the exterior surface on covered products in such a position that it can easily be read while standing in front of the product as it is displayed for sale. The label should be generally located on the upper-right-front corner of the product, except that for low-standing products or products with configurations that make application in that location impractical, some other prominent location may be used. The top of the label should not exceed

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74 inches from the base of taller products. The label in the form of a “flap tag” shall be adhered to the top of the appliance and bent (folded at 90°) to hang over the front, if this can be done with assurance that it will be readily visible. Labels for split system central air conditioners shall be affixed to the condensing unit.

(7) *Use of hang tags.* Information prescribed above for labels may be displayed in the form of a hang tag, which may be used in place of an affixed label. If a hang tag is used, it shall be affixed in such a position that it will be prominent to a consumer examining the product.

(b) *Fact sheets*—(1) *Distribution.* (i) Except as provided in Subsection c, manufacturers and private labelers must give distributors and retailers, including assemblers, fact sheets for the furnaces and central air conditioners they sell to them. Distributors must give the fact sheets to the retailers, including assemblers, they supply. Each fact sheet must contain the information listed in §305.11(b)(3).

(ii) Retailers, including assemblers, who sell furnaces or central air conditioners to consumers must have fact sheets for the furnaces and central air conditioners they sell. They must make the fact sheets available to their customers. The fact sheets may be made available to customers in any manner, as long as customers are likely to notice them. For example, they can be available in a display, where customers can take copies of them. They can be kept in a binder at a counter or service desk, with a sign telling customers where the fact sheets are. Retailers, including assemblers, who negotiate or make sales at a place other than their regular places of business must show the fact sheets to their customers and let them read the fact sheets before they agree to purchase the product.

(2) *Format.* All information required to be contained in fact sheets must be disclosed clearly and conspicuously.

(3) *Contents.* (i) “Energy Guide” headline is standard for all fact sheets, as for labels.

(ii) Name of manufacturer or private labeler shall, in the case of a corporation, be deemed to be satisfied only by

the actual corporate name, which may be preceded or followed by the name of the particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used.

(iii) Model number(s) will be the designation given by the manufacturer or private labeler.

(iv) Capacity or size is that determined in accordance with §305.7.

(v) Energy efficiency rating is that determined in accordance with §305.5.

(vi) Ranges of comparability and of energy efficiency ratings are found in section 1 of the appropriate appendices accompanying this part.

(vii) Placement of the labeled product on the scale shall be proportionate to energy efficiency ratings of the lowest and highest efficiency ratings forming the scale.

(viii) Yearly cost information text and tables are found in section 2 of Appendices G, H and I accompanying this part. Cost figures are to be determined in accordance with §305.5 using the unit energy costs found in table 1 of §305.9.

(ix) A statement that the energy costs and energy efficiency ratings are based on U.S. Government standard tests is required in all fact sheets.

(x) For central air conditioner fact sheets disclosing efficiency ratings for the “most common” condenser-evaporator coil combinations, the statement should be made in one of the following three ways:

(A) For fact sheets disclosing the seasonal energy efficiency ratio for cooling, the statement should read:

This energy rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating may vary slightly with different coils.

(B) For fact sheets disclosing both the seasonal energy efficiency ratio for cooling and the heating seasonal performance factor for heating, the statement should read:

This energy rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating will vary slightly with different coils and in different geographic regions.

(C) For fact sheets disclosing the heating seasonal performance factor for heating, the statement should read:

This energy rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating will vary slightly with different coils and in different geographic regions.

(xi) Central air conditioner fact sheets disclosing the efficiency ratings for specific condenser/coil combinations do not have to contain any of the above three statements. Instead, they must contain a general disclosure that the energy costs and efficiency ratings are based on U.S. Government tests.

(c) Manufacturers of furnaces and central air conditioners may elect to disseminate information regarding the efficiencies and costs of operation of their products by means of a directory or similar publication, rather than on fact sheets, provided the publication meets the following criteria:

(1) *Distribution.* (i) It must be distributed to substantially all retailers and assemblers of central air conditioners and furnaces selling or assembling models listed in the directory.

(ii) It must be made available at cost to all other interested parties.

(2) *Format.* All required information must be disclosed clearly and conspicuously.

(3) *Contents.* (i) Model number(s) will be the designation given by the manufacturer or private labeler.

(ii) Capacity or size is that determined in accordance with § 305.7.

(iii) Efficiency rating is that determined in accordance with § 305.5.

(iv) Cost disclosures must be substantially equivalent to those required on fact sheets.

(v) A statement that the energy costs and efficiency ratings are based on U.S. Government standard tests.

(vi) Ranges of comparability and of energy efficiency ratings are found in section 1 of the appropriate appendices accompanying this part.

(d) *Fluorescent Lamp Ballasts and Luminaires*—(1) *Contents.* Fluorescent lamp ballasts that are “covered products,” as defined in § 305.2(o), and to which standards are applicable under section 325 of the Act, shall be marked conspicuously, in color-contrasting ink, with a capital letter “E” printed

within a circle. Packaging for such fluorescent lamp ballasts, as well as packaging for luminaires into which they are incorporated, shall also be marked conspicuously with a capital letter “E” printed within a circle. For purposes of this section, the encircled capital letter “E” will be deemed “conspicuous,” in terms of size, if it is as large as either the manufacturer’s name or another logo, such as the “UL,” “CBM” or “ETL” logos, whichever is larger, that appears on the fluorescent lamp ballast, the packaging for such ballast or the packaging for the luminaire into which the covered ballast is incorporated, whichever is applicable for purpose of labeling.

(2) *Product Labeling.* The encircled capital letter “E” on fluorescent lamp ballasts must appear conspicuously, in color-contrasting ink, (i.e., in a color that contrasts with the background on which the encircled capital letter “E” is placed) on the surface that is normally labeled. It may be printed on the label that normally appears on the fluorescent lamp ballast, printed on a separate label, or stamped indelibly on the surface of the fluorescent lamp ballast.

(3) *Package Labeling.* For purposes of labeling under this section, packaging for such fluorescent lamp ballasts and the luminaires into which they are incorporated consists of the plastic sheeting, or “shrink-wrap,” covering pallet loads of fluorescent lamp ballasts or luminaires as well as any containers in which such fluorescent lamp ballasts or the luminaires into which they are incorporated are marketed individually or in small numbers. The encircled capital letter “E” on packages containing fluorescent lamp ballasts or the luminaires into which they are incorporated must appear conspicuously, in color-contrasting ink, on the surface of the package on which printing or a label normally appears. If the package contains printing on more than one surface, the label must appear on the surface on which the product inside the package is described. The encircled capital letter “E” may be printed on the surface of the package, printed on a label containing other information, printed on a separate label, or indelibly stamped on the surface of the package. In the case of pallet loads containing

fluorescent lamp ballasts or the luminaires into which they are incorporated, the encircled capital letter "E" must appear conspicuously, in color-contrasting ink, on the plastic sheeting, unless clear plastic sheeting is used and the encircled capital letter "E" is legible underneath this packaging. The encircled capital letter "E" must also appear conspicuously on any documentation that would normally accompany such a pallet load. The encircled capital letter "E" may appear on a label affixed to the sheeting or may be indelibly stamped on the sheeting. It may be printed on the documentation, printed on a separate label that is affixed to the documentation or indelibly stamped on the documentation.

(e) *Lamps*—(1)(i) Any covered product that is a compact fluorescent lamp or general service incandescent lamp (including an incandescent reflector lamp) shall be labeled clearly and conspicuously on the product's principal display panel with the following information:

(A) The number of lamps included in the package, if more than one;

(B) The design voltage of each lamp included in the package, if other than 120 volts;

(C) The light output of each lamp included in the package, expressed in average initial lumens;

(D) The electrical power consumed (energy used) by each lamp included in the package, expressed in average initial wattage;

(E) The life of each lamp included in the package, expressed in hours.

(ii) The light output, energy usage and life ratings of any covered product that is a medium base compact fluorescent lamp or general service incandescent lamp (including an incandescent reflector lamp), shall appear in that order and with equal clarity and conspicuousness on the product's principal display panel. The light output, energy usage and life ratings shall be disclosed in terms of "lumens," "watts" and "hours" respectively, with the lumens, watts and hours rating numbers each appearing in the same type style and size and with the words "lumens," "watts" and "hours" each appearing in the same type style and size. The words

"light output," "energy used" and "life" shall precede and have the same conspicuousness as both the rating numbers and the words "lumens," "watts" and "hours," except that the letters of the words "lumens," "watts" and "hours" shall be approximately 50% of the sizes of those used for the words "light output," "energy used" and "life" respectively.

(iii) The light output, energy usage and life ratings of any covered product that is a medium base compact fluorescent lamp or general service incandescent lamp (including an incandescent reflector lamp), shall be measured at 120 volts, regardless of the lamp's design voltage. If a lamp's design voltage is 125 volts or 130 volts, the disclosures of the wattage, light output and life ratings shall in each instance be:

(A) At 120 volts and followed by the phrase "at 120 volts." In such case, the labels for such lamps also may disclose the lamp's wattage, light output and life at the design voltage (e.g., "Light Output 1710 Lumens at 125 volts"); or

(B) At the design voltage and followed by the phrase "at (125 volts/130 volts)" if the ratings at 120 volts are disclosed clearly and conspicuously on another panel of the package, and if all panels of the package that contain a claimed light output, wattage or life clearly and conspicuously identify the lamp as "(125 volt/130 volt)," and if the principal display panel clearly and conspicuously discloses the following statement:

This product is designed for (125/130) volts. When used on the normal line voltage of 120 volts, the light output and energy efficiency are noticeably reduced. See (side/back) panel for 120 volt ratings.

(iv) For any covered product that is an incandescent reflector lamp, the required disclosure of light output shall be given for the lamp's total forward lumens.

(v) For any covered product that is a compact fluorescent lamp, the required light output disclosure shall be measured at a base-up position; but, if the manufacturer or private labeler has reason to believe that the light output at a base-down position would be more than 5% different, the label also shall disclose the light output at the base-down position or, if no test data for the

base-down position exist, the fact that at a base-down position the light output might be more than 5% less.

(vi) For any covered product that is a compact fluorescent lamp or a general service incandescent lamp (including an incandescent reflector lamp), there shall be clearly and conspicuously disclosed on the principal display panel the following statement:

To save energy costs, find the bulbs with the (beam spread and) light output you need, then choose the one with the lowest watts.”

(vii) For any covered product that is a general service incandescent lamp and operates with multiple filaments, the principal display panel shall disclose clearly and conspicuously, in the manner required by paragraph (e)(1)(i)–(iii) and (vi) of this section, the lamp’s wattage and light output at each of the lamp’s levels of light output and the lamp’s life measured on the basis of the filament that fails first.

(2) Any covered product that is a general service fluorescent lamp or an incandescent reflector lamp shall be labeled clearly and conspicuously with a capital letter “E” printed within a circle and followed by an asterisk. The label shall also clearly and conspicuously disclose, either in close proximity to that asterisk or elsewhere on the label, the following statement:

*[The encircled “E”] means this bulb meets Federal minimum efficiency standards.

(i) If the statement is not disclosed on the principal display panel, the asterisk shall be followed by the following statement:

See [Back,Top, Side] panel for details.

(ii) For purposes of this paragraph (e), the encircled capital letter “E” shall be clearly and conspicuously disclosed in color-contrasting ink on the label of any covered product that is a general service fluorescent lamp and will be deemed “conspicuous,” in terms of size, if it appears in typeface at least as large as either the manufacturer’s name or logo or another logo disclosed on the label, such as the “UL” or “ETL” logos, whichever is larger.

(3)(i) A manufacturer or private labeler who distributes general service fluorescent lamps, compact fluorescent lamps, or general service incandescent

lamps (including incandescent reflector lamps) without labels attached to the lamps or without labels on individual retail-sale packaging for one or more lamps may meet the disclosure requirements of paragraphs (e)(1) and (e)(2) of this section by making the required disclosures, in the manner and form required by those paragraphs, on the bulk shipping cartons that are to be used to display the lamps for retail sale.

(ii) Instead of labeling any covered product that is a general service fluorescent lamp with the encircled “E” and with the statement described in paragraph (e)(2) of this section, a manufacturer or private labeler who would not otherwise put a label on such a lamp may meet the disclosure requirements of that paragraph by permanently marking the lamp clearly and conspicuously with the encircled “E”.

(4) Any manufacturer or private labeler who makes any representation on a label of any covered product that is a general service fluorescent lamp, medium base compact fluorescent lamp, or general service incandescent lamp (including an incandescent reflector lamp), regarding the cost of operation of such lamp shall clearly and conspicuously disclose in close proximity to such representation the assumptions upon which it is based, including, e.g., purchase price, unit cost of electricity, hours of use, patterns of use.

(5) Any cartons in which any covered products that are general service fluorescent lamps, medium base compact fluorescent lamps, or general service incandescent lamps (including incandescent reflector lamps), are shipped within the United States or imported into the United States shall disclose clearly and conspicuously the following statement:

These lamps comply with Federal energy efficiency labeling requirements.

(f) *Plumbing Fixtures*—(1) *Showerheads and Faucets*. Showerheads and faucets shall be marked and labeled as follows:

(i) Each showerhead and flow restricting or controlling spout end device shall bear a permanent legible marking indicating the flow rate, expressed in gallons per minute (gpm) or gallons per cycle (gpc), and the flow rate value shall be the actual flow rate

or the maximum flow rate specified by the standards established in subsection (j) of section 325 of the Act, 42 U.S.C. 6295(j). Except where impractical due to the size of the fitting, each flow rate disclosure shall also be given in liters per minute (L/min) or liters per cycle (L/cycle). For purposes of this section, the marking indicating the flow rate will be deemed "legible," in terms of placement, if it is located in close proximity to the manufacturer's identification marking.

(ii) Each showerhead and faucet shall bear a permanent legible marking to identify the manufacturer. This marking shall be the trade name, trademark, or other mark known to identify the manufacturer. Such marking shall be located where it can be seen after installation.

(iii) Each showerhead and faucet shall be marked "A112.18.1M" to demonstrate compliance with the applicable ASME standard. The marking shall be by means of either a permanent mark on the product, a label on the product, or a tag attached to the product.

(iv) The package for each showerhead and faucet shall disclose the manufacturer's name and the model number.

(v) The package or any label attached to the package for each showerhead or faucet shall contain at least the following: "A112.18.1M" and the flow rate expressed in gallons per minute (gpm) or gallons per cycle (gpc), and the flow rate value shall be the actual flow rate or the maximum flow rate specified by the standards established in subsection (j) of section 325 of the Act, 42 U.S.C. 6295(j). Each flow rate disclosure shall also be given in liters per minute (L/min) or liters per cycle (L/cycle).

(2) *Water Closets and Urinals.* Water closets and urinals shall be marked and labeled as follows:

(i) Each such fixture (and flushometer valve associated with such fixture) shall bear a permanent legible marking indicating the flow rate, expressed in gallons per flush (gpf), and the water use value shall be the actual water use or the maximum water use specified by the standards established in subsection (k) of section 325 of the Act, 42 U.S.C. 6295(k). Except where impractical due to the size of the fixture, each flow rate

disclosure shall also be given in liters per flush (Lpf). For purposes of this section, the marking indicating the flow rate will be deemed "legible," in terms of placement, if it is located in close proximity to the manufacturer's identification marking.

(ii) Each water closet (and each component of the water closet if the fixture is comprised of two or more components) and urinal shall be marked with the manufacturer's name or trademark or, in the case of private labeling, the name or registered trademark of the customer for whom the unit was manufactured. This mark shall be legible, readily identified, and applied so as to be permanent. The mark shall be located so as to be visible after the fixture is installed, except for fixtures built into or for a counter or cabinet.

(iii) Each water closet (and each component of the water closet if the fixture is comprised of two or more components) and urinal shall be marked at a location determined by the manufacturer with the designation "ASME A112.19.2M" to signify compliance with the applicable standard. This mark need not be permanent, but shall be visible after installation.

(iv) The package, and any labeling attached to the package, for each water closet and urinal shall disclose the flow rate, expressed in gallons per flush (gpf), and the water use value shall be the actual water use or the maximum water use specified by the standards established in subsection (k) of section 325 of the Act, 42 U.S.C. 6295(k). Each flow rate disclosure shall also be given in liters per flush (Lpf).

(v) With respect to any gravity tank-type white 2-piece toilet offered for sale or sold before January 1, 1997, which has a water use greater than 1.6 gallons per flush (gpf), any printed matter distributed or displayed in connection with such product (including packaging and point-of-sale material, catalog material, and print advertising) shall include, in a conspicuous manner, the words "For Commercial Use Only."

(3) *Annual Operating Cost Claims for Covered Plumbing Products.* Until such time as the Commission has prescribed

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a format and manner of display for labels conveying estimated annual operating costs of covered showerheads, faucets, water closets, and urinals or ranges of estimated annual operating costs for the types or classes of such plumbing products, the Act prohibits manufacturers from making such representations on the labels of such covered products. 42 U.S.C. 6294(c)(8). If, before the Commission has prescribed such a format and manner of display for labels of such products, a manufacturer elects to provide for any such product a label conveying such a claim, it shall submit the proposed claim to the Commission so that a format and manner of display for a label may be prescribed.

[52 FR 46894, Dec. 10, 1987, as amended at 54 FR 28035, July 5, 1989; 59 FR 54965, Oct. 25, 1993; 59 FR 34033–34035, July 1, 1994; 59 FR 49564, Sept. 28, 1994; 59 FR 67528, Dec. 29, 1994; 60 FR 14210, Mar. 16, 1995; 60 FR 31081, June 13, 1995; 61 FR 33653, June 28, 1996; 63 FR 38745, July 20, 1998; 65 FR 17563, Apr. 3, 2000]

§ 305.12 Additional information relating to energy consumption.

Additional information relating to energy consumption which must be included on labels, separately attached to the product, or shipped with the product will be published as a separate section 3 of the appendices accompanying this part. No additional information will be required without public notice and an opportunity for written comments.

§ 305.13 Promotional material displayed or distributed at point of sale.

(a)(1) Any manufacturer, distributor, retailer or private labeler who prepares printed material for display or distribution at point of sale concerning a covered product (except fluorescent lamp ballasts, general service fluorescent lamps, medium base compact fluorescent lamps, or general service incandescent lamps including incandescent reflector lamps, showerheads, faucets, water closets or urinals) shall clearly and conspicuously include in such printed material the following required disclosure:

Before purchasing this appliance, read important information about its estimated an-

nual energy consumption or energy efficiency rating that is available from your retailer.

(2) Any manufacturer, distributor, retailer or private labeler who prepares printed material for display or distribution at point of sale concerning a covered product that is a fluorescent lamp ballast to which standards are applicable under section 325 of the Act, shall disclose conspicuously in such printed material, in each description of such fluorescent lamp ballast, an encircled capital letter “E”.

(3) Any manufacturer, distributor, retailer, or private labeler who prepares printed material for display or distribution at point of sale concerning a covered product that is a general service fluorescent lamp, medium base compact fluorescent lamp, or general service incandescent lamp (including an incandescent reflector lamp), and who makes any representation in such promotional material regarding the cost of operation of such lamp shall clearly and conspicuously disclose in close proximity to such representation the assumptions upon which it is based, including, e.g., purchase price, unit cost of electricity, hours of use, and patterns of use.

(4) Any manufacturer, distributor, retailer, or private labeler who prepares printed material for display or distribution at point-of-sale concerning a covered product that is a showerhead, faucet, water closet, or urinal shall clearly and conspicuously include in such printed material the product's water use, expressed in gallons and liters per minute (gpm and L/min) or per cycle (gpc and L/cycle) or gallons and liters per flush (gpf and Lpf) as specified in § 305.11(f).

(b) This section shall not apply to:

(1) Written warranties.

(2) Use and care manuals, installation instructions, or other printed material containing primarily post-purchase information for the purchaser.

(3) Printed material containing only the identification of a covered product, pricing information and/or non-energy related representations concerning that product.

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(4) Any printed material distributed prior to the effective date listed in § 305.4(e).

[59 FR 34036, July 1, 1994, as amended at 59 FR 67530, Dec. 29, 1994; 60 FR 14211, Mar. 16, 1995]

§ 305.14 Catalogs.

(a) Any manufacturer, distributor, retailer, or private labeler who advertises in a catalog a covered product (except fluorescent lamp ballasts, general service fluorescent lamps, medium base compact fluorescent lamps, general service incandescent lamps including incandescent reflector lamps, showerheads, faucets, water closets or urinals) shall include in such catalog, on each page that lists the covered product, the following information required to be disclosed on the label:

(1) The capacity of the model.

(2) The estimated annual energy consumption for refrigerators, refrigerator-freezers, freezers, clothes washers, dishwashers and water heaters.

(3) The energy efficiency rating for room air conditioners, central air conditioners, furnaces, and pool heaters.

(4) The range of estimated annual energy consumption or energy efficiency ratings, which shall be those that are current at the closing date for printing or the printing deadline of the catalog.

(b) Any manufacturer, distributor, retailer, or private labeler who advertises fluorescent lamp ballasts that are "covered products," as defined in § 305.2(o), and to which standards are applicable under section 325 of the Act, in a catalog, from which they may be purchased by cash, charge account or credit terms, shall disclose conspicuously in such catalog, in each description of such fluorescent lamp ballasts, a capital letter "E" printed within a circle.

(c)(1) Any manufacturer, distributor, retailer, or private labeler who advertises in a catalog a covered product that is a general service fluorescent lamp, medium base compact fluorescent lamp, or general service incandescent lamp (including an incandescent reflector lamp), shall disclose clearly and conspicuously in such catalog:

(i) On each page listing any covered product that is a compact fluorescent lamp or a general service incandescent

lamp (including an incandescent reflector lamp), all the information concerning that lamp, except for the number of units in the package, required by § 305.11(e)(1) of this part to be disclosed on the lamp's label; *provided, however*, that, for a catalog not distributed to consumers for making purchases for personal use or consumption by individuals, the disclosures need not comply with the format provisions of § 305.11 (e)(1)(ii) of this part, but must be clear and conspicuous; and

(ii) On each page listing a covered product that is a general service fluorescent lamp or an incandescent reflector lamp, all the information required by § 305.11(e)(2) of this part to be disclosed on the lamp's label according to the following format:

(A) The encircled "E" shall appear with each lamp entry; and

(B) The accompanying statement shall appear at least once on the page.

(2) Any manufacturer, distributor, retailer, or private labeler who advertises a covered product that is a general service fluorescent lamp, medium base compact fluorescent lamp, or general service incandescent lamp (including an incandescent reflector lamp), in a catalog who makes any representation in such catalog regarding the cost of operation of such lamp shall clearly and conspicuously disclose in close proximity to such representation the assumptions upon which it is based, including, e.g., purchase price, unit cost of electricity, hours of use, patterns of use.

(d) Any manufacturer, distributor, retailer, or private labeler who advertises a covered product that is a showerhead, faucet, water closet, or urinal in a catalog, from which it may be purchased, shall include in such catalog, on each page that lists the covered product, the product's water use, expressed in gallons and liters per minute (gpm and L/min) or per cycle (gpc and L/cycle) or gallons and liters per flush (gpf and Lpf) as specified in § 305.11(f).

[59 FR 34036, July 1, 1994, as amended at 59 FR 49564, Sept. 28, 1994; 59 FR 67530, Dec. 29, 1994; 60 FR 14211, Mar. 16, 1995]

§ 305.15

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ADDITIONAL REQUIREMENTS

§ 305.15 Test data records.

(a) Test data shall be kept on file by the manufacturer of a covered product for a period of two years after production of that model has been terminated.

(b) Upon notification by the Commission or its designated representative, a manufacturer or private labeler shall provide, within 30 days of the date of such request, the underlying test data from which the water use or energy consumption rate, the energy efficiency rating, the estimated annual cost of using each basic model, or the light output, energy usage and life ratings and, for fluorescent lamps, the color rendering index, for each basic model or lamp type were derived.

[52 FR 46894, Dec. 10, 1987, as amended at 59 FR 67530, Dec. 29, 1994]

§ 305.16 Required testing by designated laboratory.

Upon notification by the Commission or its designated representative, a manufacturer of a covered product shall supply, at the manufacturer's expense, no more than two of each model of each product to a laboratory, which will be identified by the Commission or its designated representative in the notice, for the purpose of ascertaining whether the estimated annual energy consumption, the estimated annual operating cost, or the energy efficiency rating, or the light output, energy usage and life ratings or, for general service fluorescent lamps, the color rendering index, disclosed on the label or fact sheet or in an industry directory, or, as required in a catalog, or the representation made by the label that the product is in compliance with applicable standards in section 325 of the Act, 42 U.S.C. 6295, is accurate. Such a procedure will only be followed after the Commission or its staff has examined the underlying test data provided by the manufacturer as required by § 305.15(b) and after the manufacturer has been afforded the opportunity to reverify test results from which the estimated annual energy consumption, the estimated annual operating cost, or the energy efficiency rating for each basic model was derived, or the light

output, energy usage and life ratings or, for general service fluorescent lamps, the color rendering index, for each basic model or lamp type was derived. A representative designated by the Commission shall be permitted to observe any reverification procedures required by this part, and to inspect the results of such reverification. The Commission will pay the charges for testing by designated laboratories.

[59 FR 67530, Dec. 29, 1994]

EFFECT OF THIS PART

§ 305.17 Effect on other law.

This regulation supersedes any State regulation to the extent required by section 327 of the Act. Pursuant to the Act, all State regulations that require the disclosure for any covered product of information with respect to energy consumption, other than the information required to be disclosed in accordance with this part, are superseded.

§ 305.18 Stayed or invalid parts.

If any section or portion of a section of this part is stayed or held invalid, the remainder of the part will not be affected.

[52 FR 46894, Dec. 10, 1987. Redesignated at 59 FR 34036, July 1, 1994]

§ 305.19 Exemptions.

The Commission has exempted manufacturers, private labelers, distributors, and/or retailers in some instances from specific requirements of this part. These exemptions are listed in this section. In some circumstances, use of the exemptions is conditioned on alternative performance by manufacturers, private labelers, distributors, and/or retailers.

(a) Limited conditional exemption for manufacturers from the prohibition against the inclusion of non-required information on the label of covered products that qualify for inclusion in the ENERGY STAR Program maintained by the Department of Energy ("DOE") and the Environmental Protection Agency ("EPA"). Those manufacturers participating in the DOE/EPA ENERGY STAR Program who wish to place the ENERGY STAR logo on

EnergyGuides affixed to covered products they manufacture that qualify for inclusion in the ENERGY STAR Program are granted a conditional exemption from the prohibition against placing "information other than that specified" by the Rule on the EnergyGuides they attach to their qualifying products. This exemption is based on several conditions:

(1) The ENERGY STAR logo is permitted on the EnergyGuides of only those covered products that meet the ENERGY STAR Program qualification criteria that are current at the time the products are labeled.

(2) Only manufacturers that have signed a Memorandum of Understanding with DOE or EPA may add the ENERGY STAR logo to labels on qualifying covered products; such manufacturers may add the ENERGY STAR logo to labels only on those covered products that are contemplated by the Memorandum of Understanding.

(3) Manufacturers that choose to avail themselves of the conditional exemption may print the ENERGY STAR logo on EnergyGuides for qualified products as part of the usual label printing process or may place the logo on EnergyGuides for qualified products by whatever means is most efficient for them, provided such placement complies with the requirements of paragraph (a)(4), of this section.

(4) Manufacturers must place the logo on the EnergyGuide above the

comparability bar in the box that contains the applicable range of comparability. The precise location of the logo will vary depending on where the caret indicating the position of the labeled model on the scale appears (see the sample label). The required dimensions of the logo must be one and one-eighth inches (3 cm.) in width and three-quarters of an inch (2 cm.) in height. Manufacturers are prohibited from placing the logo in a way that would obscure, detract from, alter the dimensions of, or touch any element of the EnergyGuide, which in all other respects must conform to the requirements of this part. The ENERGY STAR logo must be in process black ink to match the print specifications for the EnergyGuide. The background must remain in process yellow to match the rest of the label.

(5) Manufacturers must add a sentence in process black ink that explains the significance of the ENERGY STAR logo in ten-point Helvetica Condensed Black typeface. The sentence must be next to the logo, above the comparability bar that shows the "least" and "most" numbers. The sentence must read:

ENERGY STAR A symbol of energy efficiency.

(b) [Reserved]

[65 FR 17563, Apr. 3, 2000]

APPENDIX A1 TO PART 305—REFRIGERATORS WITH AUTOMATIC DEFROST

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 2.5	327	327
2.5 to 4.4	301	398
4.5 to 6.4	370	434
6.5 to 8.4	419	419
8.5 to 10.4	419	467
10.5 to 12.4	391	454
12.5 to 14.4	(*)	(*)
14.5 to 16.4	588	588
16.5 and over	438	668

* No data submitted for units meeting Federal Energy Conservation Standards effective January 1, 1993.

[63 FR 66430, Dec. 2, 1998]

APPENDIX A2 TO PART 305—REFRIGERATORS AND REFRIGERATOR-FREEZERS WITH
MANUAL DEFROST
[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 2.5	256	307
2.5 to 4.4	301	358
4.5 to 6.4	268	377
6.5 to 8.4	378	405
8.5 to 10.4	343	430
10.5 to 12.4	435	435
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	438	438
18.5 to 20.4	(*)	(*)
20.5 to 22.4	(*)	(*)
22.5 to 24.4	(*)	(*)
24.5 to 26.4	(*)	(*)
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

* No data submitted for units meeting Federal Energy Conservation Standards effective January 1, 1993.

[63 FR 66430, Dec. 2, 1998]

APPENDIX A3 TO PART 305—REFRIGERATOR-FREEZERS WITH PARTIAL AUTOMATIC
DEFROST
[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 10.5	376	510
10.5 to 12.4	454	538
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	(*)	(*)
18.5 to 20.4	(*)	(*)
20.5 to 22.4	(*)	(*)
22.5 to 24.4	(*)	(*)
24.5 to 26.4	(*)	(*)
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

* No data submitted for units meeting Federal Energy Conservation Standards effective January 1, 1993.

[63 FR 66430, Dec. 2, 1998]

APPENDIX A4 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST
WITH TOP-MOUNTED FREEZER WITHOUT THROUGH-THE-DOOR ICE SERVICE
[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 10.5	427	525
10.5 to 12.4	449	568
12.5 to 14.4	496	624
14.5 to 16.4	437	666
16.5 to 18.4	518	697
18.5 to 20.4	526	741
20.5 to 22.4	559	767
22.5 to 24.4	598	800
24.5 to 26.4	609	825
26.5 to 28.4	(*)	(*)

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[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
28.5 and over	(*)	(*)

* No data submitted for units meeting Federal Energy Conservation Standards effective January 1, 1993.

[63 FR 66430, Dec. 2, 1998]

**APPENDIX A5 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST
WITH SIDE-MOUNTED FREEZER WITHOUT THROUGH-THE-DOOR ICE SERVICE**

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 10.5	452	525
10.5 to 12.4	480	480
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	(*)	(*)
18.5 to 20.4	710	783
20.5 to 22.4	685	825
22.5 to 24.4	720	848
24.5 to 26.4	776	875
26.5 to 28.4	(*)	(*)
28.5 and over	911	950

* No data submitted for units meeting Federal Energy Conservation Standards effective January 1, 1993.

[63 FR 66430, Dec. 2, 1998]

**APPENDIX A6 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST
WITH BOTTOM-MOUNTED FREEZER WITHOUT THROUGH-THE-DOOR ICE SERVICE**

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 10.5	463	463
10.5 to 12.4	(*)	(*)
12.5 to 14.4	(*)	(*)
14.5 to 16.4	666	666
16.5 to 18.4	706	709
18.5 to 20.4	593	757
20.5 to 22.4	524	789
22.5 to 24.4	(*)	(*)
24.5 to 26.4	(*)	(*)
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

* No data submitted for units meeting Federal Energy Conservation Standards effective January 1, 1993.

[63 FR 66430, Dec. 2, 1998]

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**APPENDIX A7 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST
WITH TOP-MOUNTED FREEZER WITH THROUGH-THE-DOOR ICE SERVICE**

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 10.5	(*)	(*)
10.5 to 12.4	(*)	(*)
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	(*)	(*)
18.5 to 20.4	(*)	(*)
20.5 to 22.4	840	840
22.5 to 24.4	(*)	(*)
24.5 to 26.4	905	905
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

* No data submitted for units meeting Federal Energy Conservation Standards effective January 1, 1993.

[63 FR 66431, Dec. 2, 1998]

EFFECTIVE DATE NOTE: At 65 FR 63202, Oct. 23, 2000, appendix A7 to part 305 was revised, effective Jan. 22, 2001. For the convenience of the user, the revised text is set forth as follows:

**APPENDIX A7 TO PART 305—REFRIG-
ERATOR-FREEZERS WITH AUTOMATIC
DEFROST WITH TOP-MOUNTED
FREEZER WITH THROUGH-THE-DOOR
ICE SERVICE**

RANGE INFORMATION

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/Yr.)	
	Low	High
Less than 10.5	502	511
10.5 to 12.4	544	544
12.5 to 14.4	544	624
14.5 to 16.4	642	642
16.5 to 18.4	(*)	(*)
18.5 to 20.4	(*)	(*)
20.5 to 22.4	680	840
22.5 to 24.4	(*)	(*)
24.5 to 26.4	905	905
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective January 1, 1993.

**APPENDIX A8 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST
WITH SIDE-MOUNTED FREEZER WITH THROUGH-THE-DOOR ICE SERVICE**

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 10.5	(*)	(*)
10.5 to 12.4	(*)	(*)
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	(*)	(*)
18.5 to 20.4	734	934
20.5 to 22.4	714	967
22.5 to 24.4	685	1000
24.5 to 26.4	760	1042
26.5 to 28.4	735	1080

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[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
28.5 and over	765	1144

* No data submitted for units meeting Federal Energy Conservation Standards effective January 1, 1993.

[63 FR 66431, Dec. 2, 1998]

APPENDIX B1 TO PART 305—UPRIGHT FREEZERS WITH MANUAL DEFROST

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 5.5	250	349
5.5 to 7.4	(*)	(*)
7.5 to 9.4	373	416
9.5 to 11.4	448	456
11.5 to 13.4	468	474
13.5 to 15.4	509	534
15.5 to 17.4	562	565
17.5 to 19.4	(*)	(*)
19.5 to 21.4	615	627
21.5 to 23.4	(*)	(*)
23.5 to 25.4	(*)	(*)
25.5 to 27.4	(*)	(*)
27.5 to 29.4	(*)	(*)
29.5 and over	685	685

(*) No data submitted for units meeting Federal Energy Conservation Standards effective January 1, 1993.

[63 FR 66431, Dec. 2, 1998]

APPENDIX B2 TO PART 305—UPRIGHT FREEZERS WITH AUTOMATIC DEFROST

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 5.5	504	516
5.5 to 7.4	(*)	(*)
7.5 to 9.4	(*)	(*)
9.5 to 11.4	(*)	(*)
11.5 to 13.4	(*)	(*)
13.5 to 15.4	728	774
15.5 to 17.4	784	821
17.5 to 19.4	876	878
19.5 to 21.4	800	896
21.5 to 23.4	(*)	(*)
23.5 to 25.4	(*)	(*)
25.5 to 27.4	(*)	(*)
27.5 to 29.4	(*)	(*)
29.5 and over	687	687

* No data submitted for units meeting Federal Energy Conservation Standards effective January 1, 1993.

[63 FR 66431, Dec. 2, 1998]

APPENDIX B3 TO PART 305—CHEST FREEZERS AND ALL OTHER FREEZERS
[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 5.5	212	260
5.5 to 7.4	291	293
7.5 to 9.4	322	322
9.5 to 11.4	347	349
11.5 to 13.4	391	399
13.5 to 15.4	434	441
15.5 to 17.4	(*)	(*)
17.5 to 19.4	493	493
19.5 to 21.4	529	529
21.5 to 23.4	552	588
23.5 to 25.4	620	629
25.5 to 27.4	(*)	(*)
27.5 to 29.4	(*)	(*)
29.5 and over	(*)	(*)

* No data submitted for units meeting Federal Energy Conservation Standards effective January 1, 1993.

[63 FR 66431, Dec. 2, 1998]

APPENDIX C1 TO PART 305—COMPACT DISHWASHERS

RANGE INFORMATION

“Compact” includes countertop dishwasher models with a capacity of fewer than eight (8) place settings. Place settings shall be in accordance with appendix C to 10 CFR part 430, subpart B. Load patterns shall conform to the operating normal for the model being tested.

Capacity	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Compact	277	426

COST INFORMATION

When the above ranges of comparability are used on EnergyGuide labels for compact sized dishwashers, the estimated annual operating cost disclosure appearing in the box at the bottom of the labels must be derived using the 1999 Representative Average Unit Costs for electricity (8.22¢ per kilowatt-hour) and natural gas (68.8 ¢ per therm), and the text below the box must identify the costs as such.

[64 FR 71021, Dec. 20, 1999]

EFFECTIVE DATE NOTE: At 65 FR 53166, Sept. 1, 2000, appendix C1 to part 305 was revised, effective Mar. 22, 2001. For the convenience of the user, the revised text is set forth as follows:

APPENDIX C1 TO PART 305—COMPACT
DISHWASHERS

RANGE INFORMATION

“Compact” includes countertop dishwasher models with a capacity of fewer than eight (8) place settings. Place settings shall be in accordance with appendix C to 10 CFR Part 430, subpart B. Load patterns shall conform to the operating normal for the model being tested.

Capacity	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Compact	277	277

COST INFORMATION

When the above ranges of comparability are used on EnergyGuide labels for compact-sized dishwashers, the estimated annual operating cost disclosure appearing in the box

at the bottom of the labels must be derived using the 2000 Representative Average Unit Costs for electricity (8.03¢ per kilowatt-hour) and natural gas (68.8¢ per therm), and the text below the box must identify the costs as such.

APPENDIX C2 TO PART 305—STANDARD DISHWASHERS

RANGE INFORMATION

“Standard” includes portable or built-in dishwasher models with a capacity of eight (8) or more place settings. Place settings shall be in accordance with appendix C to 10 CFR part 430, subpart B. Load patterns shall conform to the operating normal for the model being tested.

Capacity	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Standard	344	699

COST INFORMATION

When the above ranges of comparability are used on EnergyGuide labels for standard-sized dishwashers, the estimated annual operating cost disclosure appearing in the box at the bottom of the labels must be derived using the 1997 Representative Average Unit Costs for electricity (8.31¢ per kilowatt-hour) and natural gas (61.2¢ per therm), and the text below the box must identify the costs as such.

[64 FR 71021, Dec. 20, 1999]

APPENDIX D1 TO PART 305—WATER HEATERS—GAS

[Range Information]

Capacity	Range of estimated annual energy consumption (therms/yr. and gallons/yr.)			
	Natural gas therms/yr.		Propane gallons/yr.	
	Low	High	Low	High
First hour rating				
Less than 21	(*)	(*)	(*)	(*)
21 to 24	(*)	(*)	(*)	(*)
25 to 29	(*)	(*)	(*)	(*)
30 to 34	(*)	(*)	(*)	(*)
35 to 40	(*)	(*)	(*)	(*)
41 to 47	242	263	265	284
48 to 55	235	278	257	304
56 to 64	238	273	262	299
65 to 74	215	283	249	310
75 to 86	220	288	266	317
87 to 99	255	295	279	310
100 to 114	268	300	294	329
115 to 131	288	288	317	336
Over 131	288	349	317	383

* No data submitted.

[59 FR 48797, Sept. 23, 1994, as amended at 59 FR 49564, Sept. 28, 1994]

APPENDIX D2 TO PART 305—WATER HEATERS—ELECTRIC
[Range Information]

Capacity	Range of estimated annual energy consumption (kWh/yr.)	
First hour rating	Low	High
Less than 21	4672	4672
21 to 24	4769	4769
25 to 29	4879	4879
30 to 34	4672	4939
35 to 40	4575	4939
41 to 47	4575	5109
48 to 55	4624	5109
56 to 64	4624	5109
65 to 74	4624	5231
75 to 86	4624	5352
87 to 99	4624	5352
100 to 114	4672	5631
115 to 131	5109	5704
Over 131	(*)	(*)

* No data submitted.

[59 FR 48797, Sept. 23, 1994, as amended at 59 FR 49564, Sept. 28, 1994]

APPENDIX D3 TO PART 305—WATER HEATERS—OIL
[Range Information]

Capacity	Range of estimated annual energy consumption (gallons/yr.)	
First hour rating	Low	High
Less than 65	(*)	(*)
65 to 74	(*)	(*)
75 to 86	(*)	(*)
87 to 99	(*)	(*)
100 to 114	177	200
115 to 131	171	212
Over 131	180	180

* No data submitted.

[59 FR 48797, Sept. 23, 1994, as amended at 59 FR 49564, Sept. 28, 1994]

APPENDIX D4 TO PART 305—WATER HEATERS—INSTANTANEOUS—GAS

RANGE INFORMATION

Capacity (maximum flow rate); gallons per minute (gpm)	Range of estimated annual energy consumption (therms/yr. and gallons/yr.)			
	Natural gas therms/yr.		Propane gallons/yr.	
	Low	High	Low	High
Under 1.00	233	233	256	256
1.00 to 2.00	230	234	252	256
2.01 to 3.00	188	218	206	239
Over 3.00	187	238	197	260

COST INFORMATION

When the above ranges of comparability are used on EnergyGuide labels for instantaneous water heaters, the estimated annual operating cost disclosure appearing in the box at the bottom of the labels must be derived using the 1999 Representative Average Unit Costs for natural gas (68.8¢ per therm) and propane (77¢ per gallon), and the text below the box must identify the costs as such.

[64 FR 71021, Dec. 20, 1999]

APPENDIX D5 TO PART 305—WATER HEATERS—HEAT PUMP

RANGE INFORMATION

Capacity: First hour rating	Range of estimated annual energy consumption (KWh/Yr.)	
	Low	High
Less than 21	(*)	(*)
21 to 24	(*)	(*)
25 to 29	(*)	(*)
30 to 34	(*)	(*)
35 to 40	(*)	(*)
41 to 47	1996	1996
48 to 55	(*)	(*)
56 to 64	2311	2311
65 to 74	(*)	(*)
75 to 86	(*)	(*)
87 to 99	(*)	(*)
100 to 114	(*)	(*)
115 to 131	(*)	(*)
Over 131	(*)	(*)

*No data submitted.

[65 FR 53165, Sept. 1, 2000]

APPENDIX E TO PART 305—ROOM AIR CONDITIONERS

[Range Information]

Manufacturer's rated cooling capacity in Btu's/yr.	Range of Energy Efficiency Ratios (EERs)	
	Low	High
Without Reverse Cycle and with Louvered Sides:		
Less than 6,000 Btu	8.0	10.0
6,000 to 7,999 Btu	8.5	10.3
8,000 to 13,999 Btu	9.0	12.0
14,000 to 19,999 Btu	8.8	10.7
20,000 and more Btu	8.2	10.0
Without Reverse Cycle and without Louvered Sides:		
Less than 6,000 Btu	(*)	(*)
6,000 to 7,999	8.5	9.6
8,000 to 13,999 Btu	8.5	9.2
14,000 to 19,999 Btu	(*)	(*)
20,000 and more Btu	(*)	(*)
With Reverse Cycle and with Louvered Sides	8.5	11.5
With Reverse Cycle, without Louvered Sides	8.0	9.0

*No data submitted for units meeting Federal Minimum Efficiency Standards effective January 1, 1990.

[60 FR 56949, Nov. 13, 1995]

APPENDIX F TO PART 305—CLOTHES WASHERS

RANGE INFORMATION

“Compact” includes all household clothes washers with a tub capacity of less than 1.6 cu. ft. or 13 gallons of water.

“Standard” includes all household clothes washers with a tub capacity of 1.6 cu. ft or 13 gallons of water or more.

Capacity	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Compact	576	607
Standard	177	1298

COST INFORMATION

When the above ranges of comparability are used on EnergyGuide labels for clothes washers, the estimated annual operating cost disclosures appearing in the box at the

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bottom of the labels must be derived using the 2000 Representative Average Unit Costs for electricity (8.03¢ per kilo Watt-hour) and natural gas (68.8¢ per therm), and the text

below the box must identify the costs as such.

[65 FR 30352, May. 11, 2000]

APPENDIX G1 TO PART 305—FURNACES—GAS

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	78	96.6

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour ¹	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

¹ For charts on natural gas, oil and propane gas, substitute the following cost figures:

- a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
- b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, \$1.00.
- c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G2 TO PART 305—FURNACES—ELECTRIC

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Ranges of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	100	100

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[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour ¹	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

¹ For charts on natural gas, oil and propane gas, substitute the following cost figures:

- a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, \$1.00.
c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G3 TO PART 305—FURNACES—OIL

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	78	86.7

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour ¹	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

¹ For charts on natural gas, oil and propane gas, substitute the following cost figures:

- a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, \$1.00.
c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

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The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G4 TO PART 305—MOBILE HOME FURNACES

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	75	83.2

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour ¹	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

¹ For charts on natural gas, oil and propane gas, substitute the following cost figures:

- a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
- b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, \$1.00.
- c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60

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[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G5 TO PART 305—BOILERS—GAS (EXCEPT STEAM)

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	80	90.6

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour ¹	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

¹ For charts on natural gas, oil and propane gas, substitute the following cost figures:

a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.

b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, \$1.00.

c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in

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place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G6 TO PART 305—BOILERS—GAS (STEAM)

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	75	83.5

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour ¹	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

¹ For charts on natural gas, oil and propane gas, substitute the following cost figures:

- a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
 b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, \$1.00.
 c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G7 TO PART 305—BOILERS—OIL

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	80	88.7

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[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour ¹	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

¹ For charts on natural gas, oil and propane gas, substitute the following cost figures:

- a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, \$1.00.
c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G8 TO PART 305—BOILERS—ELECTRIC

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	100	100

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour ¹	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

¹ For charts on natural gas, oil and propane gas, substitute the following cost figures:

- a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, \$1.00.
c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

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The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX H TO PART 305—COOLING PERFORMANCE AND COST FOR CENTRAL AIR CONDITIONERS

1. Range Information:

Manufacturer's rated cooling capacity (Btu's/hr.)	Range of SEER's	
	Low	High
Single Package Units		
Central Air Conditioners (Cooling Only): All capacities	9.70	16.05
Heat Pumps (Cooling Function): All capacities	9.70	15.60
Split System Units		
Central Air Conditioners (Cooling Only): All capacities	10.00	17.00
Heat Pumps (Cooling Function): All capacities	10.00	16.40

2. Yearly Cost Information:

For each model, display three annual operating costs, based on 8.03¢ per kilowatt hour, rounded to the nearest \$10, corresponding to the three building heat gains from the chart below:

Manufacturers rated cooling capacity (BTU/hr)	Building heat gain (in 1000's BTU's/hr)		
Up to 9,000	3	6	9
9,100 to 15,000	9	12	15
15,100 to 21,000	15	18	21
21,100 to 27,000	21	24	27
27,200 to 33,000	27	30	33
33,200 to 39,000	33	36	39
39,500 to 45,000	39	42	45
45,500 to 51,000	45	48	51
51,500 to 57,000	51	54	57
57,500 to 63,000	57	60	63
63,500 and over	63	66	69

The values of building heat gain are to be considered cooling capacities in the calculation of annual operating cost in accordance with 10 CFR 430.22 (m)(1)(i).

Include the following note on every fact sheet page that lists annual operating costs.

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NOTE: These figures are based on U.S. Government standard tests and are for national averages of 1000 cooling load hours and 8.03¢/KWH. Your cost will vary depending on your local energy rate and how you use the product. A method for estimating your cost of operation is given [direct user to location].

The methodology referred to in the note is provided below. This information shall be included a least once in all compendiums of fact sheets. If separate fact sheets are prepared for individual distribution to consumers, this methodology must be provided on or with the unbound fact sheets.

HOW TO ESTIMATE YOUR COOLING COST

To estimate your actual cost of operation, find your cooling load hours from the map, your average annual operating cost from the National Average Annual Operating Cost Table, and determine your electrical rate in cents per kilowatt hour (KWH) from your electric bill.

$$\text{Your estimated cost} = \frac{\text{Listed average annual operating cost}^*}{1,000} \times \frac{\text{Your cooling load hours}^{**}}{1,000} \times \frac{\text{Your electrical rate in cents per KWH}}{8.31\text{¢}}$$

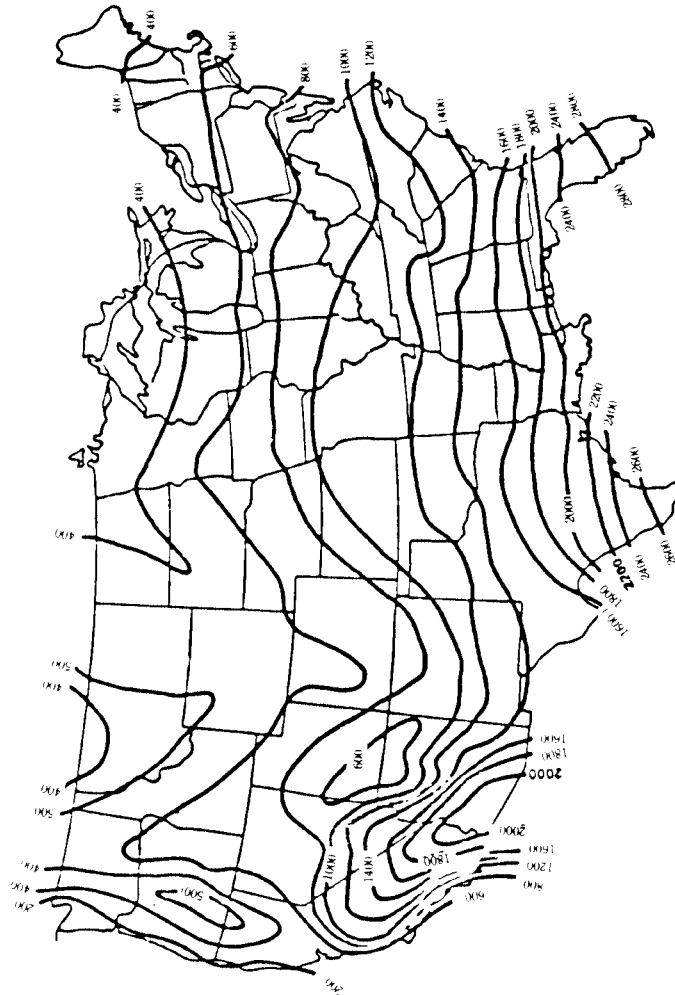
Example: If your cooling load hours = 1500, and your electric rate is 12.05¢/KWH and your listed annual operating cost is \$100, then:.

Your estimated cost = \$100 × 1,500 / 1,000 × 12.05¢ / 8.03¢

Your estimated cost = \$100 × 1.5 × 1.5 = \$225

Your estimated cost = \$225

Cooling Load Hour Map



	Cooling	Load	Hours
Alaska	6,000		
Canal Zone	6,000		
Guam	6,000		
Hawaii	2,300		
Puerto Rico	6,000		
Samoa	6,000		
Virgin Island	6,000		

This map must be included at least once in all compendiums of fact sheets. If separate fact sheets are prepared for individual distribution to consumers, this map must be provided on or with the separate fact sheets.

[An example of a fact sheet for central air conditioners or for only the cooling function of heat pumps]

ENERGYGUIDE



Split System Central Air Conditioner (Cooling Only)

Cooling Capacity:

Models	XXX/C1	31,000 BTU/hr
	XXX/C2	31,400 BTU/hr
	YYY/C3	29,000 BTU/hr
	YYY/C6	29,400 BTU/hr

Cooling Performance:

Model XXX/C1
12.7 SEER



Energy efficiency range of all similar models

Least Efficient Model	Most Efficient Model
10.0	16.9

Model XXX/C2
12.6 SEER



Energy efficiency range of all similar models

Least Efficient Model	Most Efficient Model
10.0	16.9

Model YYY/C3
13.0 SEER



Energy efficiency range of all similar models

Least Efficient Model	Most Efficient Model
10.0	16.9

Model YYY/C6
12.9 SEER



Energy efficiency range of all similar models

Least Efficient Model	Most Efficient Model
10.0	16.9

This (or these) energy rating(s) is (or are) based on U.S. Government standard tests of this (or these) condenser model(s) combined with the most common coil(s). The ratings may vary slightly with different coils.

[This is Page 1 of Sample Fact Sheet]

* * * * *

NATIONAL AVERAGE ANNUAL OPERATING COST TABLE (\$ PER YEAR)

Model	Building Heat Gain (BTU/hour)		
	27,000	30,000	33,000
XXX/C1	\$200	\$220	\$240
XXX/C2	\$200	\$220	\$240
XXX/C3	\$190	\$210	\$230
XXX/C6	\$190	\$210	\$230

NOTE: These figures are based on U.S. Government standard tests and are for national averages of 1000 cooling load hours and 8.03¢/KWH. Your cost will vary depending on your local energy rate and how you use the product. A method for estimating your cost of operation is provided on page 2 of this fact sheet.

HOW TO ESTIMATE YOUR COOLING COST

To estimate your actual cost of operation, find your actual cooling load hours from the map, your average annual operating cost from the National Average Annual Operating Cost Table, and determine your electrical rate in cents per kilowatt hour (KWH) from your electrical bill.

$$\text{Your estimated cost} = \frac{\text{Listed average annual operating cost}^*}{1,000} \times \frac{\text{Your cooling load hours}^{**}}{1,000} \times \frac{\text{Your electrical rate in cents per KWH}}{8.31\text{¢}}$$

Example: If your cooling load hours are 1500, and your electric rate is 12.05¢/KWH, and your listed annual operating cost is \$100, then:

Your estimated cost = \$100 × 1,500 / 1,000 × 12.05¢ / 8.03¢

Your estimated cost = \$100 × 1.5 × 1.5 = \$225

Your estimated cost = \$225

(THIS IS PAGE 2 OF SAMPLE FACT SHEET)

[53 FR 19729, May 27, 1988, as amended at 54 FR 53318, Dec. 28, 1989; 55 FR 43093, Oct. 26, 1990; 56 FR 46728, Sept. 16, 1991; 57 FR 44332, Sept. 25, 1992; 59 FR 34049, July 1, 1994; 59 FR 39951 and 39952, Aug. 5, 1994; 60 FR 56949, Nov. 13, 1995; 61 FR 48622, Sept. 16, 1996; 62 FR 44891, Aug. 25, 1997; 63 FR 66431, Dec. 2, 1998; 64 FR 926, Jan. 6, 1999; 64 FR 71021, Dec. 20, 1999; 65 FR 53166, Sept. 1, 2000]

APPENDIX I TO PART 305—HEATING PERFORMANCE AND COST FOR CENTRAL AIR CONDITIONERS

1. Range Information

Manufacturer's rated heating capacity (Btu's/hr.)	Range of HSPF's	
	Low	High
Single Package Units		
Heat Pumps (Heating Function): All capacities	6.60	8.20
Split System Units		
Heat Pumps (Heating Function): All capacities	6.80	10.20

The HSPF shall be the Region IV value based on the appropriate average design heat loss from the table below.

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2. Yearly Heating Cost Information:

For each model, display a regional annual operating cost, based on 8.03¢ per kilowatt hour, rounded to the nearest \$10, calculated according to 10 CFR 430.22(m)(3)(ii) for each region. The heat loss of home values given in the chart below are to be considered standardized design heating requirements in the calculation of annual operating cost in accordance with 10 CFR 430.22(m)(3)(ii).

Capacity	Region	Average design heat loss (in 1000's Btu's/hr.)	Heat loss of home values used on the grid (in 1000's Btu's/hr.)
Up to 9,000	1	10	5, 10
	2		5, 10, 15
	3		5, 10, 15
	4		10, 15, 20
	5		10, 15, 20
	6		5, 10, 15
9,100 to 15,000	1	20	5, 10, 15
	2		5, 10, 15, 20
	3		10, 15, 20, 25
	4		10, 15, 20, 25, 30
	5		10, 15, 20, 25, 30
	6		5, 10, 15, 20
15,100 to 21,000	1	25	10, 15, 20
	2		10, 15, 20, 25
	3		15, 20, 25, 30
	4		15, 20, 25, 30, 35, 40
	5		15, 20, 25, 30, 35, 40
	6		10, 15, 20, 25, 30, 35
21,100 to 27,000	1	30	10, 15, 20, 25
	2		15, 20, 25, 30
	3		15, 20, 25, 30, 35, 40
	4		20, 25, 30, 35, 40, 50
	5		20, 25, 30, 35, 40, 50, 60
	6		10, 15, 20, 25, 30, 35
21,100 to 27,000	1	30	10, 15, 20, 25
	2		15, 20, 25, 30
	3		15, 20, 25, 30, 35, 40
	4		20, 25, 30, 35, 40, 50
	5		20, 25, 30, 35, 40, 50, 60
	6		15, 20, 25, 30, 35, 40
27,100 to 33,000	1	35	15, 20, 25, 30
	2		20, 25, 30, 35, 40
	3		20, 25, 30, 35, 40, 50
	4		25, 30, 35, 40, 50, 60
	5		25, 30, 35, 40, 50, 60, 70, 80
	6		20, 25, 30, 35, 40, 50, 60
33,200 to 39,000	1	50	15, 20, 25, 30, 35
	2		25, 30, 35, 40, 50
	3		30, 35, 40, 50, 60
	4		35, 40, 50, 60, 70, 80, 90
	5		35, 40, 50, 60, 70, 80, 90
	6		25, 30, 35, 40, 50
39,500 to 45,000	1	60	20, 25, 30, 35, 40
	2		25, 30, 35, 40, 50, 60
	3		30, 35, 40, 50, 60
	4		40, 50, 60, 70, 80, 90, 100
	5		40, 50, 60, 70, 80, 90, 100, 110
	6		25, 30, 35, 40, 50, 60, 70, 80
45,500 to 51,000	1	70	20, 25, 30, 35, 40
	2		30, 35, 40, 50, 60
	3		35, 40, 50, 60, 70, 80
	4		50, 60, 70, 80, 90, 100, 110
	5		50, 60, 70, 80, 90, 100, 110, 130
	6		30, 35, 40, 50, 60, 70, 80, 90, 100, 110, 130
51,500 to 57,000	1	70	25, 30, 35, 40, 50
	2		35, 40, 50, 60, 70
	3		40, 50, 60, 70, 80, 90
	4		50, 60, 70, 80, 90, 100, 110
	5		50, 60, 70, 80, 90, 100, 110, 130
	6		35, 40, 50, 60, 70, 80, 90, 100
57,500 to 63,000	1	80	25, 30, 35, 40, 50

Capacity	Region	Average design heat loss (in 1000's Btu's/hr.)	Heat loss of home values used on the grid (in 1000's Btu's/hr.)
63,500 and over	2	90	35, 40, 50, 60, 70
	3		50, 60, 70, 80, 90
	4		60, 70, 80, 90, 100, 110
	5		60, 70, 80, 90, 100, 110, 130
	6		35, 40, 50, 60, 70, 80, 90, 100
	1		30, 35, 40, 50, 60
	2		40, 50, 60, 70, 80
	3		50, 60, 70, 80, 90, 100
	4		70, 80, 90, 100, 110, 130
	5		70, 80, 90, 100, 110, 130
	6		40, 50, 60, 70, 80

Include the following note on every fact sheet page that lists annual operating costs.

NOTE: These annual heating costs are based on U.S. Government standard tests and on a national average cost of electricity of 8.03¢/KWH. Your cost will vary depending on your local energy rate and how you use the product. A method for estimating your cost of operation is given [direct user to location].

The methodology referred to in the note is provided below. This information shall be included at least once in all compendiums of fact sheets. If separate fact sheets are prepared for individual distribution to consumers, this methodology must be provided on or with the unbound fact sheets.

HOW TO ESTIMATE YOUR HEATING COSTS

To estimate your heating cost, determine your cost of electricity in cents per kilowatt hour (KWH) from your electric bill, your listed average annual heating cost from the National Average Annual Heating Cost Table, and use that number in the following equation:

$$\text{Your estimated cost} = \text{Listed annual heating cost} \times \frac{\text{Your electrical cost in cents per KWH}}{8.31¢/\text{KWH}}$$

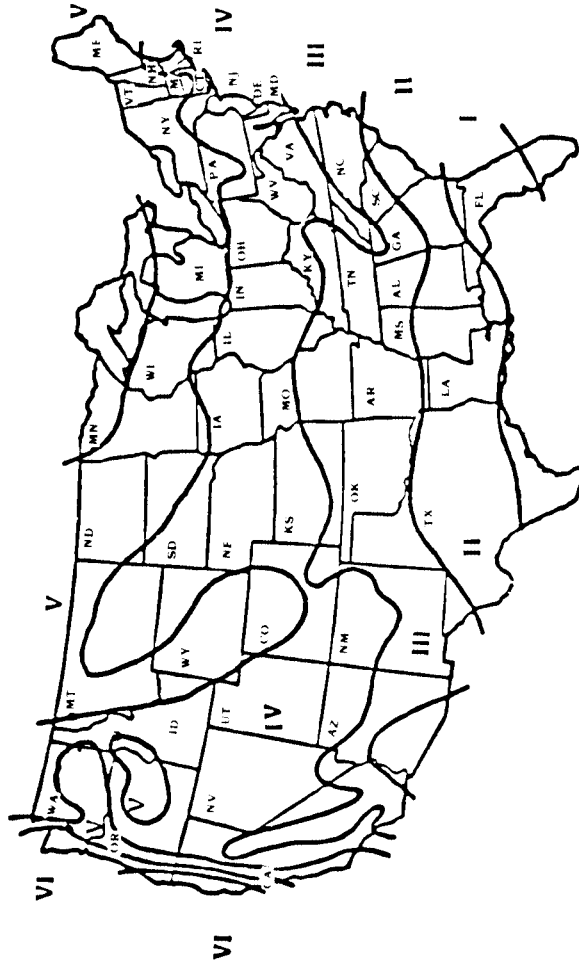
Example: If your electric rate is 12.05¢/KWH and the annual heating cost listed in the chart is \$200:

Your estimated cost = \$200 × 12.05¢/8.03¢

Your estimated cost = \$200 × 1.5 = \$300

Your estimated cost = \$300

Heating Region Map



This map must be included at least once in all compendiums of fact sheets. If separate fact sheets are prepared for individual distribution to consumers, this map must be provided on or with the separate fact sheets.

[An example of a fact sheet showing only the heating function for heat pumps]

ENERGYGUIDE

Heating Capacity:

Models	XXX/C1	33,000 BTU/hr
	XXX/C2	35,000 BTU/hr

Heating Performance for Region IV

Model XXX/C1
7.9 HSPF

Energy efficiency range of all similar models

Least Efficient Model 6.8 Most Efficient Model 10.2

Model XXX/C2
8.9 HSPF

Energy efficiency range of all similar models

Least Efficient Model 6.8 Most Efficient Model 10.2

This (or these) energy rating(s) is (or are) based on U.S. Government standard tests of this (or these) condenser model(s) combined with the most common coil(s). The ratings will vary slightly with different coils and in different geographic regions.

NATIONAL AVERAGE ANNUAL HEATING COST TABLE (\$ per year)

MODEL XXX/C1		Heat Loss of Home (in 1000's Btu's/hr.)									
		15	20	25	30	35	40	50	60	70	80
* Region	1	\$60	\$80	\$100	\$120						
"	2		\$140	\$170	\$200	\$240	\$280				
"	3			\$250	\$300	\$350	\$400	\$520			
"	4			\$350	\$410	\$480	\$550	\$710	\$910	\$1110	\$1330
"	5				\$560	\$660	\$750	\$970	\$1200	\$1460	\$1720
"	6				\$300	\$370	\$430	\$500	\$590		

MODEL XXX/C2		Heat Loss of Home (in 1000's Btu's/hr.)									
		15	20	25	30	35	40	50	60	70	80
* Region	1	\$50	\$70	\$90	\$110						
"	2		\$130	\$160	\$190	\$220	\$260				
"	3			\$240	\$280	\$330	\$400	\$500			
"	4			\$330	\$400	\$450	\$520	\$580	\$880	\$1020	\$1230
"	5				\$540	\$640	\$730	\$940	\$1100	\$1300	\$1620
"	6				\$300	\$350	\$400	\$470	\$560		

*From Heating Region Map

(This is Page 1 of Sample Fact Sheet)

NOTE: These annual heating costs are based on U.S. Government standard tests and on a national average cost of electricity of 8.31¢/KWH. Your cost will vary depending on your local energy rate and how you use the product. A method for estimating your cost of operation is given below.

Federal Trade Commission

Pt. 305, App. K

HOW TO ESTIMATE YOUR HEATING COST

To estimate your heating cost, determine your cost of electricity in cents per kilowatt hour (KWH) from your electric bill, your listed average annual heating cost from the National Average Annual Heating Cost Table, and substitute that number in the following equation:

$$\text{Your estimated cost} = \text{Listed annual heating cost} \times \frac{\text{Your electrical cost in cents}}{8.31\text{¢/KWH}}$$

Example: If your electric cost is 12.24¢/KWH and the annual heating cost listed in the table is \$200:

Your estimated cost = \$200 × 12.05¢/8.03¢

Your estimated cost = \$200 × 1.5 = \$300

Your estimated cost = \$300

(THIS IS PAGE 2 OF SAMPLE FACT SHEET)

[53 FR 19729, May 27, 1988, as amended at 54 FR 53318, Dec. 28, 1989; 55 FR 43093, Oct. 26, 1990; 56 FR 46728, Sept. 16, 1991; 57 FR 44332, Sept. 25, 1992; 59 FR 34051, July 1, 1994; 59 FR 39952, Aug. 5, 1994; 60 FR 56949, Nov. 13, 1995; 61 FR 48623, Sept. 16, 1996; 62 FR 44891, Aug. 25, 1997; 64 FR 926, Jan. 6, 1999; 64 FR 71021, Dec. 20, 1999; 65 FR 53166, Sept. 1, 2000]

APPENDIX J1 TO PART 305—POOL HEATERS—GAS

RANGE INFORMATION

Manufacturer's rated heating capacities	Range of thermal efficiencies (percent)			
	Natural gas		Propane	
	Low	High	Low	High
All capacities	78.4	97.0	78.4	97.0

[60 FR 43369, Aug. 21, 1995]

APPENDIX J2 TO PART 305—POOL HEATERS—OIL

RANGE INFORMATION

Manufacturer's rated heating capacities	Range of thermal efficiencies (percent)	
	Low	High
All capacities	78.0	78.0

[60 FR 43370, Aug. 21, 1995]

APPENDIX K TO PART 305—SUGGESTED DATA REPORTING FORMAT

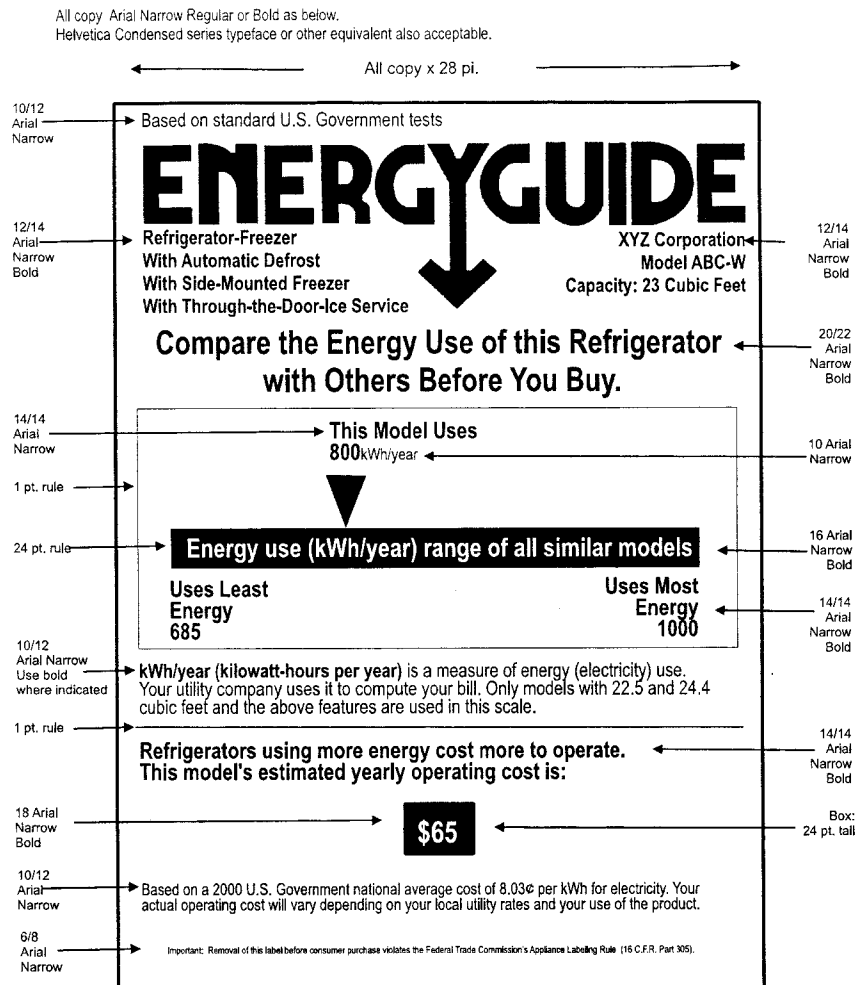
1. Date of Report _____
2. Company Name _____

Pt. 305, App. K

16 CFR Ch. I (1–1–01 Edition)

3. City _____
 4. State _____
 5. Product _____
 6. Energy Type (gas, oil, etc.) _____
 7. Model Number _____
 8. Estimated Annual Energy Consumption or Energy Efficiency Rating _____
 9. Capacity _____
 10. Number of Tests Performed _____
 11. Total Energy Consumption (based on all tests performed) _____
- [52 FR 49647, Dec. 31, 1987; as amended at 59 FR 34053, July 1, 1994. Redesignated at 59 FR 49565, Sept. 28, 1994]

APPENDIX L TO PART 305—SAMPLE LABELS



Prototype Label 1

All copy Arial Narrow Regular or Bold as below.
Helvetica Condensed series typeface or other equivalent also acceptable.

All copy x 28 pt.

10/12 Arial Narrow → Based on standard U.S. Government tests

ENERGYGUIDE

12/14 Arial Narrow Bold → Clothes Washer
Capacity: Standard

XYZ Corporation
Model(s) MR328, XL12, NAA83

12/14 Arial Narrow Bold → Compare the Energy Use of this Clothes Washer
with Others Before You Buy.

14/14 Arial Narrow → This Model Uses
873 kWh/year

1 pt. rule →

24 pt. rule →

10/12 Arial Narrow Use bold where indicated →

1 pt. rule →

16 Arial Narrow Bold → Energy use (kWh/year) range of all similar models

14/14 Arial Narrow Bold → Uses Least Energy
156

Uses Most Energy
1154

10/12 Arial Narrow Use bold where indicated → kWh/year (kilowatt-hours per year) is a measure of energy (electricity) use.
Your utility company uses it to compute your bill. Only standard size clothes washers are used in this scale.

1 pt. rule →

14/14 Arial Narrow Bold → Clothes washers using more energy cost more to operate.
This model's estimated yearly operating cost is:

18 Arial Narrow Bold → \$70

when used with an electric water heater

10/12 Arial Narrow → Based on eight loads of clothes a week and a 2000 U.S. Government national average cost of 8.03¢ per kWh for electricity and 68.8¢ per therm for natural gas. Your actual operating cost will vary depending on your local utility rates and your use of the product.

6/8 Arial Narrow → Important: Removal of this label before consumer purchase violates the Federal Trade Commission's Appliance Labeling Rule (16 C.F.R. Part 305).

14/14 Arial Narrow Bold → \$33

when used with a natural gas water heater

Box: 24 pt. tall

Prototype Label 2

All copy Arial Narrow Regular or Bold as below.
Helvetica Condensed series typeface or other equivalent also acceptable.

All copy x 28 pt.

10/12 Arial Narrow → Based on standard U.S. Government tests

ENERGYGUIDE

12/14 Arial Narrow Bold → Water Heater -- Natural Gas Capacity (first hour rating): 60 gallons

XYZ Corporation Model(s) RP23 RP38

12/14 Arial Narrow Bold →

20/22 Arial Narrow Bold → **Compare the Energy Use of this Water Heater with Others Before You Buy.**

14/14 Arial Narrow → This Model Uses 240 Therms/year

24 pt. rule → **Energy use (Therms/year) range of all similar models**

1 pt. rule → **Uses Least Energy 245**

Uses Most Energy 295

10/12 Arial Narrow Use bold where indicated → The Estimated Annual Energy Consumption of this model was not available at the time the range was published.

10/12 Arial Narrow Use bold where indicated → Therms/year is a measure of energy use. Your utility company uses it to compute your bill. Only models with first hour ratings of 56 to 64 gallons are used in this scale.

1 pt. rule →

14/14 Arial Narrow Bold → **Natural gas water heaters that use fewer therms/year cost less to operate. This model's estimated yearly operating cost is:**

18 Arial Narrow Bold → **\$165**

Box: 24 pt. tall →

10/12 Arial Narrow → Based on a 2000 U.S. Government national average cost of 68.8¢ per therm for natural gas. Your actual operating cost will vary depending on your local utility rates and your use of the product.

6/8 Arial Narrow → Important: Removal of this label before consumer purchase violates the Federal Trade Commission's Appliance Labeling Rule (16 C.F.R. Part 305).

Prototype Label 3

All copy Arial Narrow Regular or Bold as below.
Helvetica Condensed series typeface or other equivalent also acceptable.

All copy x 28 pt.

10/12
Arial
Narrow

12/14
Arial
Narrow
Bold

14/14
Arial
Narrow

1 pt. rule

24 pt. rule

10/12
Arial Narrow
Use bold
where indicated

1 pt. rule

Bullets
10 pt.

6/8
Arial
Narrow

Based on standard U.S. Government tests

ENERGYGUIDE

Central Air Conditioner
Cooling Only
Split System

XYZ Corporation
Model 12345

12/14
Arial
Narrow
Bold

20/22
Arial
Narrow
Bold

10 Arial
Narrow

16 Arial
Narrow
Bold

14/14
Arial
Narrow
Bold

14/14
Arial
Narrow
Bold

Compare the Energy Efficiency of this
Air Conditioner with Others Before You Buy.

This Model's Efficiency
11.5 SEER

Energy efficiency range of all similar models

Least
Efficient
10.0

Most
Efficient
16.9

SEER, the Seasonal Energy Efficiency Ratio, is a measure of energy efficiency
for central air conditioners.

Central air conditioners with higher SEERs are more energy
efficient.

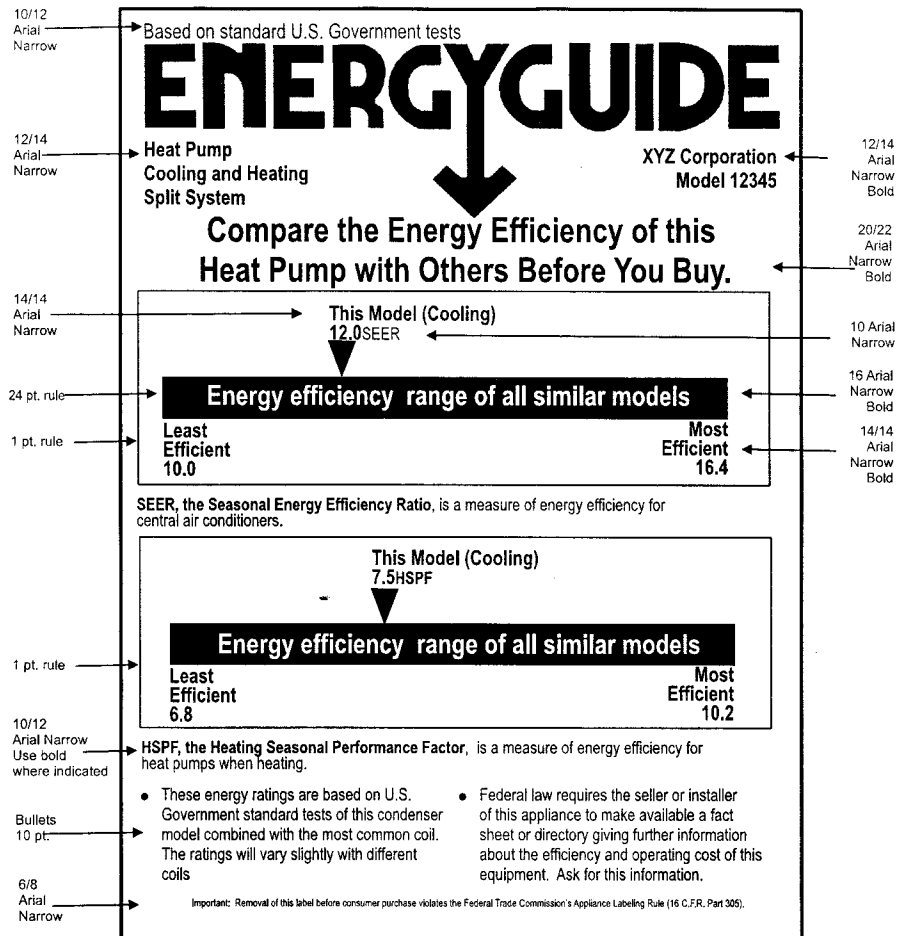
- This energy rating is based on U.S. Government standard tests of this condenser
model combined with the most common coil. The rating may vary slightly with different coils.
- Federal law requires the seller or installer of this appliance to make available a fact sheet or
directory giving further information about the efficiency and operating cost of this equipment. Ask for
this information.

Important: Removal of this label before consumer purchase violates the Federal Trade Commission's Appliance Labeling Rule (16 C.F.R. Part 305).

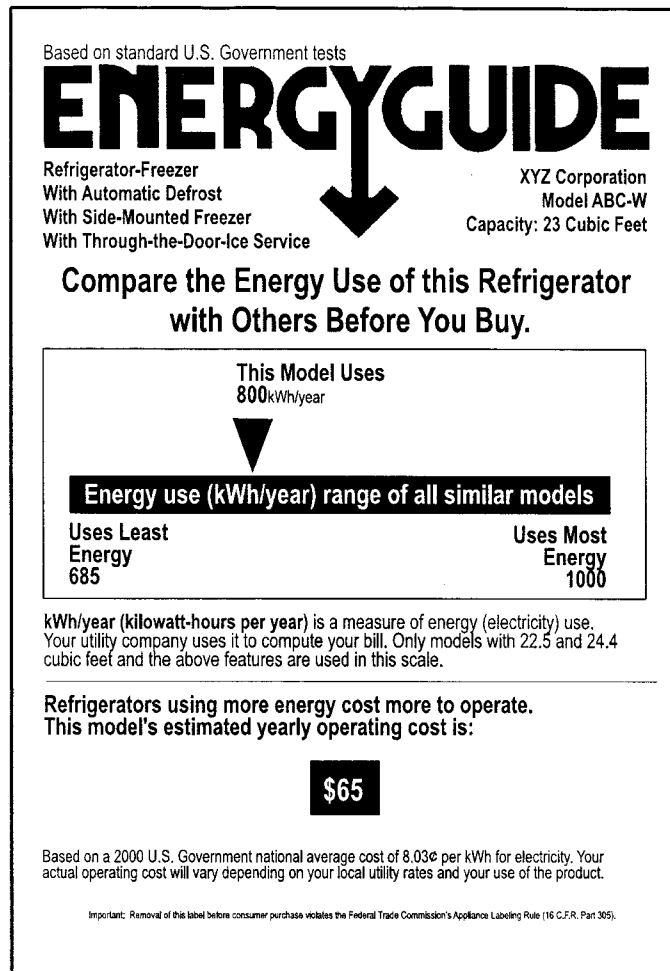
Prototype Label 4

All copy Arial Narrow Regular or Bold as below.
 Helvetica Condensed series typeface or other equivalent also acceptable.

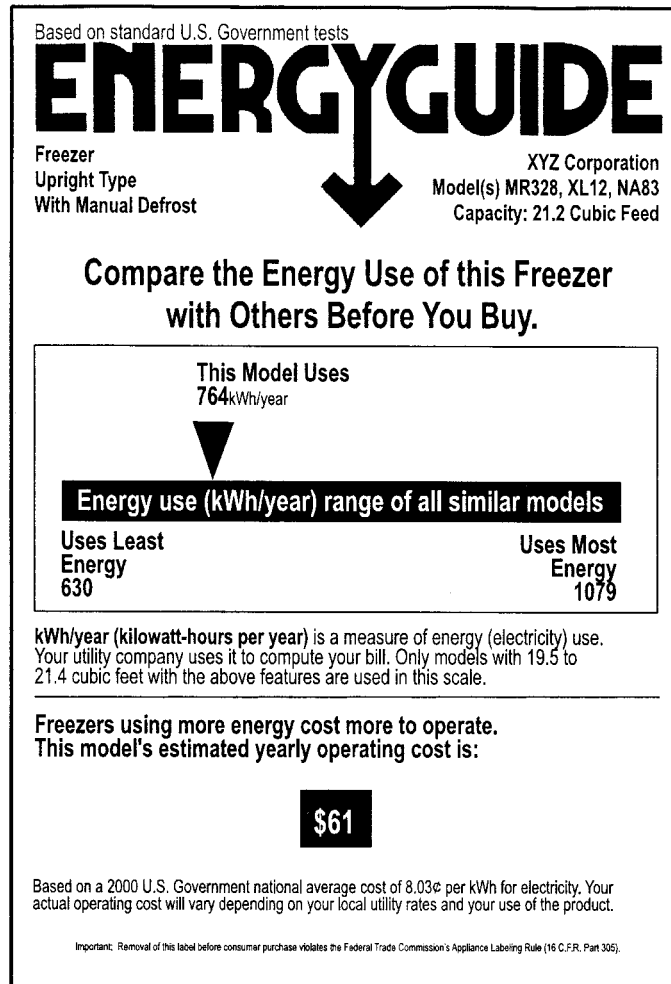
All copy x 28 pt.



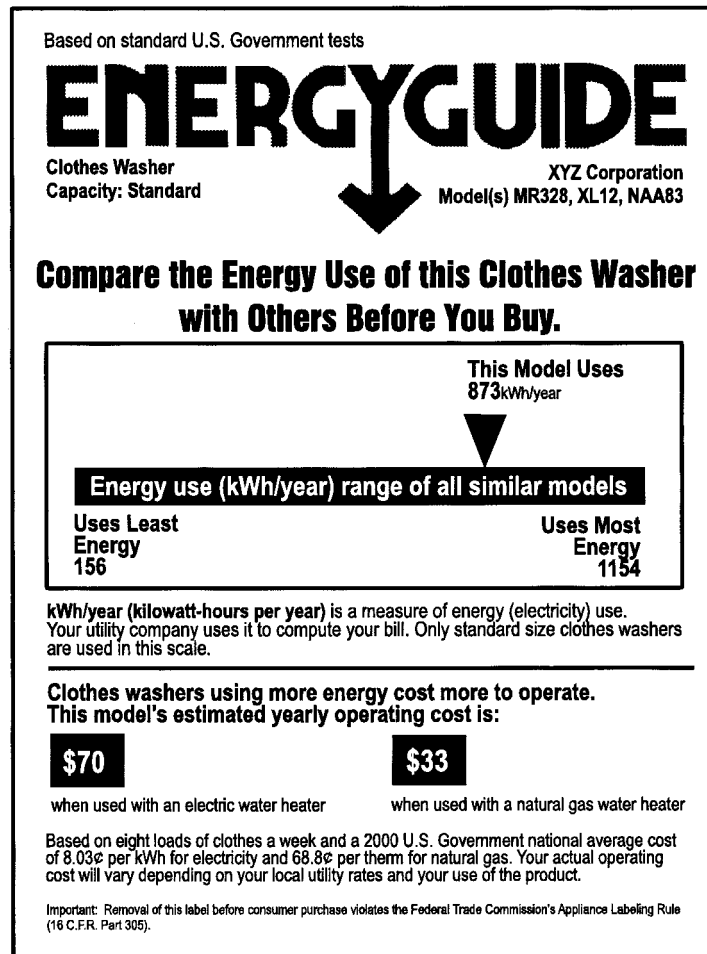
Prototype Label 5



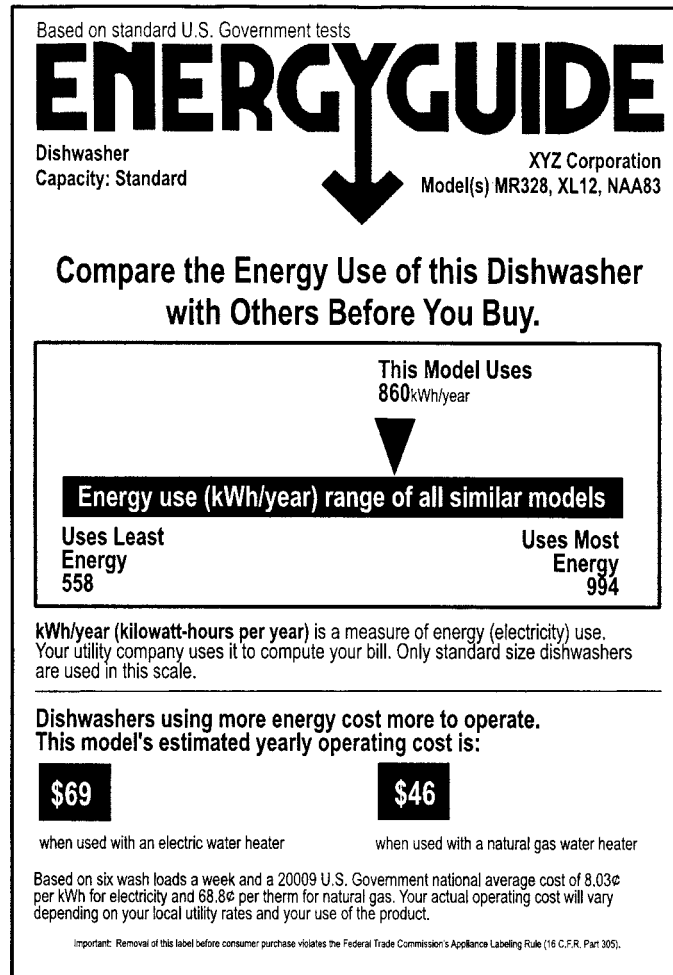
Sample Label 1



Sample Label 2



Sample Label 3



Sample Label 4

Based on standard U.S. Government tests

ENERGYGUIDE

Water Heater — Natural Gas
Capacity (first hour rating):
60 gallons

XYZ Corporation
Model(s) RP23
RP38

**Compare the Energy Use of this Water Heater
with Others Before You Buy.**

This Model Uses	
240 Therms/year	
Energy use (Therms/year) range of all similar models	
Uses Least Energy	Uses Most Energy
245	295
The Estimated Annual Energy Consumption of this model was not available at the time the range was published.	

Therms/year is a measure of energy use. Your utility company uses it to compute your bill. Only models with first hour ratings of 56 to 64 gallons are used in this scale.

Natural gas water heaters that use fewer therms/year cost less to operate. This model's estimated yearly operating cost is:

\$165

Based on a 2000 U.S. Government national average cost of 68.8¢ per therm for natural gas. Your actual operating cost will vary depending on your local utility rates and your use of the product.

Important: Removal of this label before consumer purchase violates the Federal Trade Commission's Appliance Labeling Rule (16 C.F.R. Part 305).

Sample Label 5

Based on standard U.S. Government tests

ENERGYGUIDE

Room Air Conditioner
Without Reverse Cycle
With Louvered Sides

XYZ Corporation
Model 122345
Capacity: 13,000 BTUs

**Compare the Energy Use of this
Air Conditioner with Others Before You Buy.**

This Model Efficiency
10.0 EER

▼

Energy efficiency range of all similar models

Least Efficient 9.0	Most Efficient 11.0
------------------------------------	------------------------------------

EER, the Energy Efficiency Ratio, is a measure of energy efficiency for room air conditioners. Only models between 8,000 and 13,000 BTUs with the above features are used in this scale.

More efficient air conditioners cost less to operate. This model's estimated yearly operating cost is:

\$78

Based on a 2000 U.S. Government national average cost of 8.03¢ per kWh for electricity. Your actual operating cost will vary depending on your local utility rates and your use of the product.

Important: Removal of this label before consumer purchase violates the Federal Trade Commission's Appliance Labeling Rule (16 C.F.R. Part 305).

Sample Label 6

Based on standard U.S. Government tests


ENERGYGUIDE

Furnace — Natural Gas

XYZ Corporation
Model 2345X

**Compare the Energy Efficiency of this
Furnace with Others Before You Buy.**

This Model's Efficiency
80.7^{AFUE}



Energy efficiency range of all similar models

Least Efficient 78.0	Most Efficient 97.0
------------------------------------	-----------------------------------

The **AFUE, Annual Fuel Utilization Efficiency**, is a measure of energy efficiency for furnaces and boilers. Only furnaces fueled by natural gas are used in this scale.

Natural gas furnaces that have higher AFUEs are more energy efficient.

Federal law requires the seller or installer of this appliance to make available a fact sheet or directory giving further information about the efficiency and operating cost of this equipment.
Ask for this information.

Important: Removal of this label before consumer purchase violates the Federal Trade Commission's Appliance Labeling Rule (16 C.F.R. Part 305).

Sample Label 7

Based on standard U.S. Government tests

ENERGYGUIDE

Central Air Conditioner
Cooling Only
Split System

XYZ Corporation
Model 12345

**Compare the Energy Efficiency of this
Air Conditioner with Others Before You Buy.**

This Model's Efficiency
11.5^{SEER}

▼

Energy efficiency range of all similar models

Least Efficient 10.0	Most Efficient 16.9
------------------------------------	-----------------------------------

SEER, the Seasonal Energy Efficiency Ratio, is a measure of energy efficiency for central air conditioners.

Central air conditioners with higher SEERs are more energy efficient.

- This energy rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating may vary slightly with different coils.
- Federal law requires the seller or installer of this appliance to make available a fact sheet or directory giving further information about the efficiency and operating cost of this equipment. Ask for this information.

Important: Removal of this label before consumer purchase violates the Federal Trade Commission's Appliance Labeling Rule (16 C.F.R. Part 305).

Sample Label 8

Based on standard U.S. Government tests

ENERGYGUIDE

Heat Pump
Cooling and Heating
Split System

XYZ Corporation
Model 12345

**Compare the Energy Efficiency of this
Heat Pump with Others Before You Buy.**

This Model (Cooling)
12.0SEER

↓

Energy efficiency range of all similar models

Least Efficient 10.0	Most Efficient 16.4
----------------------------	---------------------------

SEER, the Seasonal Energy Efficiency Ratio, is a measure of energy efficiency for central air conditioners.

This Model (Cooling)
7.5HSPF

↓

Energy efficiency range of all similar models

Least Efficient 6.8	Most Efficient 10.2
---------------------------	---------------------------

HSPF, the Heating Seasonal Performance Factor, is a measure of energy efficiency for heat pumps when heating.

- These energy ratings are based on U.S. Government standard tests of this condenser model combined with the most common coil. The ratings will vary slightly with different coils
- Federal law requires the seller or installer of this appliance to make available a fact sheet or directory giving further information about the efficiency and operating cost of this equipment. Ask for this information.

Important: Removal of this label before consumer purchase violates the Federal Trade Commission's Appliance Labeling Rule (16 C.F.R. Part 305).

Sample Label 9

Lamp Packaging Disclosures

Specifications

- All required disclosures must be clear and conspicuous.
- The words "light output" must appear first in order, followed by the lumens number. The word "lumens" must be close to either "light output" or the lumens number.
- The words "energy used" must appear second in order, followed by the wattage number. The word "watts" must be close to either "energy used" or the wattage number.
- The word "life" must appear third in order, followed by the life in hours number. The word "hours" must be close to either "life" or the life in hours number.
- The numbers for light output, energy used, and life must be of equal size and in the same typestyle.
- The words "light output," "energy used," and "life" must be of equal size and in the same typestyle.
- The words "lumens," "watts," and "hours" must be of equal size and in the same typestyle, but only approximately 50 percent of the size of the words "light output," "energy used," and "life."

Illustration

Note: This illustrates the elements and relative sizes of the required disclosures.

Principal Display Panel

Light Output	1710 Lumens	To save energy costs, find the bulbs with the light output you need, then choose the one with the lowest watts.
Energy Used	100 Watts	
Life	750 Hours	

Incandescent (non-reflector) Lamp Illustration

Lamp Packaging Disclosures

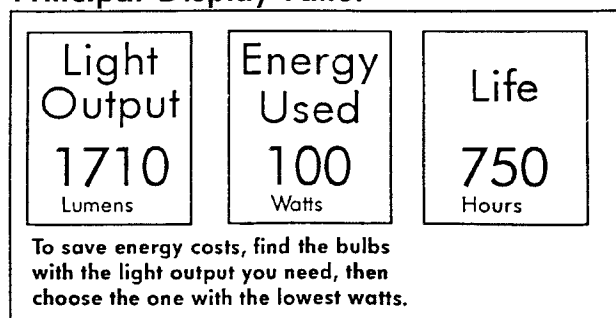
Specifications

- All required disclosures must be clear and conspicuous.
- The words "light output" must appear first in order, followed by the lumens number. The word "lumens" must be close to either "light output" or the lumens number.
- The words "energy used" must appear second in order, followed by the wattage number. The word "watts" must be close to either "energy used" or the wattage number.
- The word "life" must appear third in order, followed by the life in hours number. The word "hours" must be close to either "life" or the life in hours number.
- The numbers for light output, energy used, and life must be of equal size and in the same typestyle.
- The words "light output," "energy used," and "life" must be of equal size and in the same typestyle.
- The words "lumens," "watts," and "hours" must be of equal size and in the same typestyle, but only approximately 50 percent of the size of the words "light output," "energy used," and "life."

Illustration

Note: This illustrates the elements and relative sizes of the required disclosures.

Principal Display Panel



Incandescent (non-reflector) Lamp Illustration

Lamp Packaging Disclosures


Specifications


- All required disclosures must be clear and conspicuous.
- The words "light output" must appear first in order, followed by the lumens number. The word "lumens" must be close to either "light output" or the lumens number.
- The words "energy used" must appear second in order, followed by the wattage number. The word "watts" must be close to either "energy used" or the wattage number.
- The word "life" must appear third in order, followed by the life in hours number. The word "hours" must be close to either "life" or the life in hours number.
- The numbers for light output, energy used, and life must be of equal size and in the same typestyle.
- The words "light output," "energy used," and "life" must be of equal size and in the same typestyle.
- The words "lumens," "watts," "hours," and "at beam spread" must be of equal size and in the same typestyle, but only approximately 50 percent of the size of the words "light output," "energy used," and "life."

Illustration

Note: This illustrates the elements and relative sizes of the required disclosures.

Principal Display Panel

Light Output at beam spread	985 Lumens	To save energy costs, find the bulbs with the light output you need, then choose the one with the lowest watts.	
Energy Used	75 Watts		
Life	2,000 Hours		

*  means this bulb meets Federal minimum efficiency standards.

The explanatory statement next to the encircled "E" on the principal display panel above could be disclosed (clearly and conspicuously) on another panel, provided asterisks and the words "See [Back, Top, Side] panel for details" are used.

Incandescent Reflector Lamp Illustration

Lamp Packaging Disclosures



Specifications

- All required disclosures must be clear and conspicuous.
- The words "light output" must appear first in order, followed by the lumens number. The word "lumens" must be close to either "light output" or the lumens number.
- The words "energy used" must appear second in order, followed by the wattage number. The word "watts" must be close to either "energy used" or the wattage number.
- The word "life" must appear third in order, followed by the life in hours number. The word "hours" must be close to either "life" or the life in hours number.
- The numbers for light output, energy used, and life must be of equal size and in the same typestyle.
- The words "light output," "energy used," and "life" must be of equal size and in the same typestyle.
- The words "lumens," "watts," "hours," and "at beam spread" must be of equal size and in the same typestyle, but only approximately 50 percent of the size of the words "light output," "energy used," and "life."

Illustration

Note: This illustrates the elements and relative sizes of the required disclosures.

Principal Display Panel

Light Output at beam spread 985 Lumens	Energy Used 75 Watts	Life 2,000 Hours	<div style="text-align: center;">  </div>
<p>To save energy costs, find the bulbs with the light output you need, then choose the one with the lowest watts.</p>			<p>*  means this bulb meets Federal minimum efficiency standards.</p>

The explanatory statement next to the encircled "E" on the principal display panel above could be disclosed (clearly and conspicuously) on another panel, provided asterisks and the words "See [Back, Top, Side] panel for details" are used.

Incandescent Reflector Lamp Illustration

Lamp Packaging Disclosures

Specifications

- All required disclosures must be clear and conspicuous.
- The words "light output" must appear first in order, followed by the lumens number. The word "lumens" must be close to either "light output" or the lumens number.
- The words "energy used" must appear second in order, followed by the wattage number. The word "watts" must be close to either "energy used" or the wattage number.
- The word "life" must appear third in order, followed by the life in hours number. The word "hours" must be close to either "life" or the life in hours number.
- The numbers for light output, energy used, and life must be of equal size and in the same typestyle.
- The words "light output," "energy used," and "life" must be of equal size and in the same typestyle.
- The words "lumens," "watts," and "hours" must be of equal size and in the same typestyle, but only approximately 50 percent of the size of the words "light output," "energy used," and "life."

Illustration

Note: This illustrates the elements and relative sizes of the required disclosures.

Principal Display Panel

Light Output	1200 Lumens	To save energy costs, find the bulbs with the light output you need, then choose the one with the lowest watts.
Energy Used	20 Watts	
Life	10,000 Hours	

Compact Fluorescent Lamp Illustration

Lamp Packaging Disclosures

Specifications

- All required disclosures must be clear and conspicuous.
- The words "light output" must appear first in order, followed by the lumens number. The word "lumens" must be close to either "light output" or the lumens number.
- The words "energy used" must appear second in order, followed by the wattage number. The word "watts" must be close to either "energy used" or the wattage number.
- The word "life" must appear third in order, followed by the life in hours number. The word "hours" must be close to either "life" or the life in hours number.
- The numbers for light output, energy used, and life must be of equal size and in the same typestyle.
- The words "light output," "energy used," and "life" must be of equal size and in the same typestyle.
- The words "lumens," "watts," and "hours" must be of equal size and in the same typestyle, but only approximately 50 percent of the size of the words "light output," "energy used," and "life."

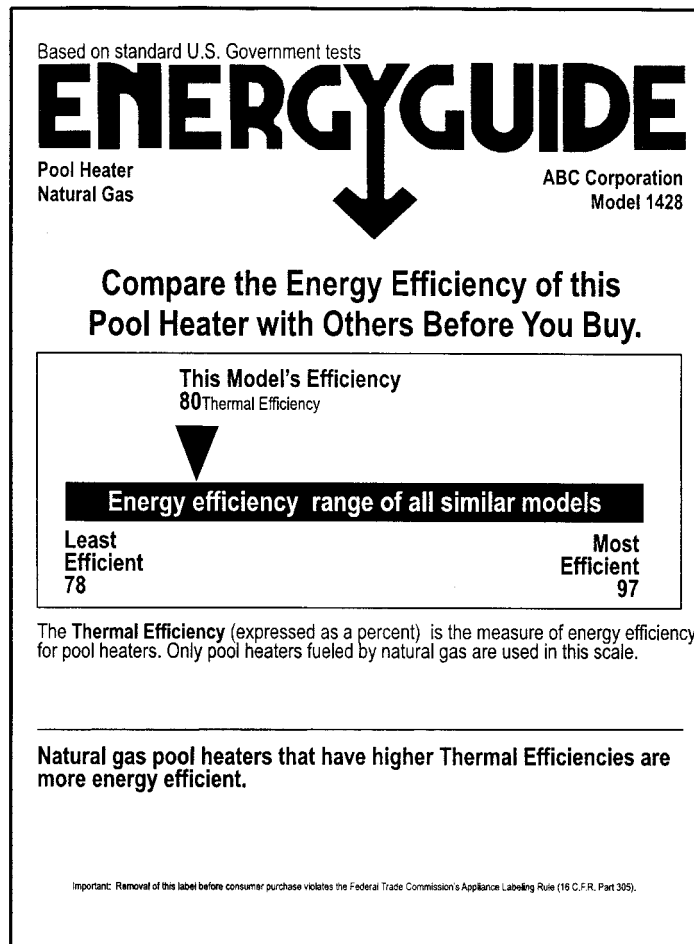
Illustration

Note: This illustrates the elements and relative sizes of the required disclosures.

Principal Display Panel

<div>Light Output 1200 Lumens</div>	<div>Energy Used 20 Watts</div>	<div>Life 10,000 Hours</div>
<p>To save energy costs, find the bulbs with the light output you need, then choose the one with the lowest watts.</p>		

Compact Fluorescent Lamp Illustration



Sample Label 10

Based on standard U.S. Government tests

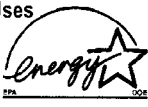
ENERGYGUIDE

Refrigerator-Freezer
With Automatic Defrost
With Side-Mounted Freezer
With Through-the-Door-Ice Service

XYZ Corporation
Model ABC-W
Capacity: 23 Cubic Feet

**Compare the Energy Use of this Refrigerator
with Others Before You Buy.**

This Model Uses
800 kWh/year



ENERGY STAR
A symbol of
energy efficiency

Energy use (kWh/year) range of all similar models

Uses Least Energy 685	Uses Most Energy 1000
-----------------------------	-----------------------------

kWh/year (kilowatt-hours per year) is a measure of energy (electricity) use. Your utility company uses it to compute your bill. Only models with 22.5 and 24.4 cubic feet and the above features are used in this scale.

**Refrigerators using more energy cost more to operate.
This model's estimated yearly operating cost is:**

\$65

Based on a 2000 U.S. Government national average cost of 8.03¢ per kWh for electricity. Your actual operating cost will vary depending on your local utility rates and your use of the product.

Important: Removal of this label before consumer purchase violates the Federal Trade Commission's Appliance Labeling Rule (16 C.F.R. Part 305).

Sample Label 11

* * * * *

[59 FR 25212, May 13, 1994, as amended at 59 FR 34053, July 1, 1994. Redesignated and amended at 59 FR 49565, 49567, Sept. 28, 1994; 65 FR 16142, Mar. 27, 2000; 65 FR 17564, Apr. 3, 2000]

PART 306—AUTOMOTIVE FUEL RATINGS, CERTIFICATION AND POSTING

GENERAL

- Sec.
- 306.0 Definitions.
- 306.1 What this rule does.
- 306.2 Who is covered.
- 306.3 Stayed or invalid parts.
- 306.4 Preemption.

DUTIES OF REFINERS, IMPORTERS, AND PRODUCERS

- 306.5 Automotive fuel rating.
- 306.6 Certification.
- 306.7 Recordkeeping.

DUTIES OF DISTRIBUTORS

- 306.8 Certification.
- 306.9 Recordkeeping.

DUTIES OF RETAILERS

- 306.10 Automotive fuel rating posting.